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The invention relates to a pharmaceutical composition comprising a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of angiopoietin (Ang)-1 protein or a mutant Ang-1. Also provided are methods of treating an individual suspected of having coronary artery disease, vascular disease or a condition involving ischemia; of promoting angiogenesis, endothelial survival and maintaining vascular integrity in an individual; of treating an individual suspected of having a disease related to lack of blood vessels to effectively promote angiogenesis in the patients with the diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New pharmaceutical composition comprises a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of Ang-1 protein or a mutant Ang-1, useful for treating, e.g. cancer, vascular disease, or ischemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ang-1; extracellular matrix; ECM; angiopoietin; antidiabetic; antiarthritic; cerebroprotective; gene therapy; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                 ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human Ang-1 protein ECM-binding fragment.
                 AAE38501
AAE38499
AAE38486
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ADE9265
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ADQ19778
ADR87238
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AEB87759
AAY78907
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADS13770 standard; peptide; 20
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WPI; 2004-653413/63.
N-PSDB; ADS13788.
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ADS13770;
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Biocceleration Ltd.
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Copyright (c) 1993 - 2006
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Listing first 45 summaries
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Abp58063 1 Abp58063 1 Aae32342 1 Aae38487 1

AAU77943 ABP58063 AAE32342 AAE38487

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Result ģ Amino

cytostatic; vasotropic; antiangiogenic;

cc related to lack of blood vessels such as ischaemia in hearts and limbs; to reduce stroke, heart attack, blood vessel blockage, haemorrhage, artheroselserosis risk by maintaining the health and integrity of blood vessels; to assist the recovery of the patients who had stroke and the angioplasty procedure by promoting the growth/survival of endothelial calls and establish endothelial monolayer and inhibit excessive inflammation, haemorrhage, and proliferation of vascular smooth muscle; to treat patients with restenosis by inhibiting re-closure of blood vessels after inserting stents into blood vessels; to make stable and functional artificial blood vessels comprising using the composition above; of identifying compounds that modulates binding of Ang-1 to ECM; of treating an individual suspected of having cancer; of preventing dlabetes and/or arthritis in an individual suspected of being at risk of developing diabetes or arthritis. The pharmaceutical composition is useful for treating disease, lachaemia, restenosis, diabetes, stroke, anglogenesis, or arthritis. The present sequence represents an ECM-conding fragment of Ang-1 protein.

Sequence 20 AA;

Gaps ö Nucry Match
Best Local Similarity 100.0%; Score 106; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.9e-10;
Matches 20; Conservative 0; Mismatches 0. T.a... 20 1 LCTKEGVLLKGGKREEEKPF 20 1 LCTKEGVLLKGGKREEEKPF ઠ 유

RESULT 2

ADS13769 standard; peptide; 20 AA.

Human Ang-1 protein ECM-binding fragment.

(first entry)

02-DEC-2004

ADS13769;

Ang-1; extracellular matrix; ECM; angiopoietin; cytostatic; vasotropic; antidabetic; antiarthritic; cerebroprotective; antianglogenic; gene therapy; human.

Homo sapiens

WO2004076650-A2

10-SEP-2004.

27-FEB-2004; 2004WO-US006101.

27-FEB-2003; 2003US-0450582P.

(UYPE-) UNIV PENNSYLVANIA

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WPI; 2004-653413/63. N-PSDB; ADS13787.

New pharmaceutical composition comprises a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of Ang-1 protein or a mutant Ang-1, useful for treating, e.g. cancer, vascular disease, or

Claim 1; SEQ ID NO 1; 114pp; English.

The invention relates to a pharmaceutical composition comprising a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of angiopoietin (Ang)-1 protein or a mutant Ang-1. Also provided are methods of treating an individual suspected of having coronary artery disease, vascular disease or a condition involving ADS13769

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ischaemia, of promoting angiogenesis, endothelial survival and maintaining vascular integrity in an individual; of treating an individual suspected of having a disease related to lack of blood vessels to effectively promote angiogenesis in the patients with the diseases related to lack of blood vessels such as ischaemia in hearts and limbs; corrected to lack of blood vessels in the patients with the diseases. The respective strike by maintaining the health and integrity of blood vessels; to assist the recovery of the patients who had stroke and the congiophasty procedure by promoting the growth/survival of endothelial cells and establish endothelial monolayer and inhibit excessive inflammation, haemorrhage, and proliferation of vascular smooth muscle; to treat patients with restenosis by inhibiting re-closure of blood vessel after inserting stents into blood vessels; to make stable and functional artificial blood vessels comprising using the composition of treating an individual suspected of having cancer; of preventing clabetes and/or arthritis in an individual suspected of being at risk of developing diabetes or arthritis. The pharmaceutical composition is useful for treating disease, and disohana, restenosis, diabetes, stroke, disease, vascular disease, is schemala, restenosis, diabetes, stroke, which is the present sequence represents an ECMbinding fragment of Ang-1 protein

Sequence 20 AA;

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Gaps ö Length 20; Indels 100.0%; Score 106; DB 8; 100.0%; Pred. No. 7.9e-10; tive 0; Mismatches 0; 20; Conservative Local Similarity Query Match Best Loc Matches

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RESULT 3 ADS13805

ADS13805 standard; peptide; 26 AA

ADS13805;

(first entry) 02-DEC-2004

Ang-1 linker peptide region.

Ang-1, extracellular matrix, BCM, angiopoietin; cytostatic, vasotropic, antidiabetic, antiarthritic, cerebroprotective, antiangiogenic, gene therapy.

Homo sapiens.

WO2004076650-A2.

10-SEP-2004

27-FEB-2004; 2004WO-US006101

27-FEB-2003; 2003US-0450582P.

(UYPE-) UNIV PENNSYLVANIA.

χυ 0;

WPI; 2004-653413/63.

New pharmaceutical composition comprises a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of Ang-1 protein or a mutant Ang-1, useful for treating, e.g. cancer, vascular disease, or

Example 1; Page 27; 114pp; English.

The invention relates to a pharmaceutical composition comprising a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-

binding fragment of angiopoietin (Ang)-1 protein or a mutant Ang-1. Also provided are methods of treating an individual suspected of having coronary artery disease, vascular diseases or a condition involving ischaemia; of promocing angiogenesis, endothelial survival and ischaemia; of promocing angiogenesis, endothelial survival and maintaining vascular integrity in an individual; of treating an individual suspected of having a disease related to lack of blood vessels such as ischaemia in hearts and limbs; to reduce stroke, heart attack, blood vessel blockage, haemorrhage, artherosclerosis risk by maintaining the health and integrity of blood vessels; to assist the recovery of the patients who had stroke and the angioplasty procedure by promoting the growth/survival of endothelial cells and establish endothelial monolayer and inhibit excessive inflammation, haemorrhage, and proliferation of vascular smooth muscle; to treat patients with restenosis by inhibiting re-closure of blood vessel affer inserting stents into blood vessels to make stable and functional artificial blood vessels comprising using the composition above; of identifying compounds that modulates binding of Ang-1 to ECM; of treating an individual suspected of having cancer; of preventing clabetes and/or arthritis. The pharmaceutical composition is useful for treating diseases and disorders, e.g. cancer, coronary artery disease, vascular disease, ischaemia, restenosis, diabetes, stroke, andjogenesis, or arthritis. The present sequence represents a linker engion of Ang-1 protein. Sequence 26 AA; 88888888888888888888888888888888888888

Gaps ö Length 26; Indels 100.0%; Score 106; DB 8; 100.0%; Pred. No. 1.1e-09; tive 0; Mismatches 0; Conservative Local Similarity hes 20; Conserv Query Match Matches 셤

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RESULT 4

AAE32344 standard; protein; 235

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AAE32344;

(first entry) 24-MAR-2003

Human angiopoietin-1 (Ang-1) truncated protein #1.

Vascular endothelial growth factor; VEGF; angiogenesis; wound healing; bone growth; osteoporosis; osteoarthritis; bone reconstruction; ulcer; lesion; injury; trauma; periodontal condition; protein therapy; human; angiopoietin-1; Ang-1.

18-OCT-2002; 2002US-00273180.

US2003220476-A1.

27-NOV-2003

sapiens

Synthetic.

Homo sapiens

WO200283851-A2

24-OCT-2002.

10-APR-2002; 2002WO-US011406.

10-APR-2001; 2001US-00832355.

(GENV-) GENVEC INC.

Kovesdi I, Kessler PD;

WPI; 2003-075536/07.

New fusion protein comprising a non-heparin-binding vascular endothelial growth factor (VEGF) peptide portion and a non-VEGF peptide portion, useful for promoting angiogenesis and/or bone growth in mammals.

Disclosure; Page 126-127; 191pp; English

ö The invention relates to a fusion protein comprising non-heparin binding vascular endothelial growth factor (VEGF) peptide portion and a non-VEGF peptide portion useful for promoting angiogenesis and/or bone growth in mammalian host. The fusion protein is useful for promoting angiogenesis, promoting protein protein is useful for promoting angiogenesis, wound healing and bone growth. Compositions containing bone growth osteoarthris, to improve poor bone healing, to promote implant integration and function of artificial joints and to facilitate bone reconstruction. They can also be used to treat e.g. ulcers, lesions, injuries, burns, trauma, periodontal conditions, lacerations and other conditions. The invention is also useful in protein therapy. The present sequence is human angiopoietin-1 (Ang-1) truncated protein used in the Human, Ang-1, fibrinogen-like domain, Preprotrypsin signal; angiopoietin1; coiled-coil domain; cell growth, proliferation; matrix protein; transcription factor; growth factor; secretory protein; cartilage matrix protein; CMP, cartilage oligomeric matrix protein; Tie2 receptor; Tie1 receptor; endothelial cell; haematopoietic stem cell; Gaps ; 0 100.0%; Score 106; DB 6; Length 235; 100.0%; Pred. No. 1.2e-08; ive 0; Mismatches 0; Indels C Human Ang-1 fibrinogen-like domain/Preprotrypsin signal. ADI23636 standard; protein; 261 AA. 215 LCTKEGVLLKGGKREEEKPF 234 1 LCTKEGVLLKGGKREEEKPF 20 endothelial precursor cell. 22-APR-2004 (first entry) Query Match
Best Local Similarity 100.
Matches 20; Conservative Sequence 235 AA; invention ADI23636; RESULT 5 ADI23636 ID ADI ઠે 셤

New coiled coil chimeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of ligand or ligand binding domain of a receptor, useful for inhibiting or promoting differential function. Disclosure, SEQ ID NO 2; 38pp; English. 21-MAY-2002; 2002US-0382541P. WPI; 2004-010889/01. N-PSDB; ADI23635 (KOHG/) KOH G Y. Koh GY;

The invention relates to a coiled coil chimaeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of a ligand or ligand binding domain of a receptor, which forms a biologically active multimer, and where the chimaeric molecule in its non-multimeric form is not biologically active. Also included are an isolated nucleic acid encoding the coiled coil chimaeric molecule, an expression vector

comprising the nucleic acid, a host cell comprising the vector, a soluble biologically active multimer comprising the coiled coil chimaeric molecule, promoting cell growth or proliferation, decreasing or inhibiting ligand activity or cell proliferation and making a chimaeric molecule. The coiled coil chimaeric molecule comprises a domain belonging to a matrix protein family, transcription factor family, growth factor family or secretory protein family. The coiled coil domain is from cartilage matrix protein (CMP) or cartilage oligomeric matrix protein (CMP). The receptor-binding domain binds to Tie2 or Tie1 receptor. The receptor-binding domain is a fibrinogen-like domain of angiopoletin-1, c. 2, -3 or -4. The chimaeric molecules are useful for promoting or inhibiting a differential function and/or influencing the phenotype, such as growth, survival, contractility, migration and/or proliferation of receptor-bearing cells such as endothelial cells, haematopoietic stem cells and endochelial precursor cells. The present sequence represents the fibrinogen-like domain of Ang-1 with a preprotrypsin leader.

Sequence 261. AA;

· 0 100.0%; Score 106; DB 8; Length 261; 100.0%; Pred. No. 1.4e-08; ive 0; Mismatches 0; Indels (139 LCTKEGVLLKGGKREEEKPF 158 1 LCTKEGVLLKGGKREBEKPF 20 20; Conservative Local Similarity Query Match Best Local S Matchee გ ઠ

ADI23638 standard, protein, 298 AA

(first entry) 22-APR-2004 ADI23638;

Yeast GCN4 coiled-coil domain/Human Ang-1 cDNA.

Human; Ang-1; fibrinogen-like domain; Preprotrypsin signal; anglopoletin1; colled-coil domain; cell growth; proliferation; matrix protein; transcription factor; growth factor; secretory protein; cartilage matrix protein; CAPP; cartilage oligomeric matrix protein; Tie2 receptor; Tie1 receptor; endothelial cell; haematopoletic stem cell; endothelial cell; haematopoletic stem cell; RESULT 6

AD123638

AD23638

AC AD11

AD123638

AC AD11

AD123638

AC AD11

AD12021

AC AD11

Homo sapiens

Saccharomyces cerevisiae. Chimeric.

US2003220476-A1.

27-NOV-2003

18-OCT-2002; 2002US-00273180

21-MAY-2002, 2002US-0382541P.

(KOHG/) KOH G Y.

Koh GY;

WPI; 2004-010889/01. N-PSDB; ADI23637 New coiled coil chimeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of ligand or ligand binding domain of a receptor, useful for inhibiting or promoting differential function.

Example 5; SEQ ID NO 4; 38pp; English.

The invention relates to a coiled coil chimaeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of a ligand or ligand binding domain of a receptor, which forms a biologically active

multimer, and where the chimaeric molecule in its non-multimeric form is not biologically active. Also included are an isolated nucleic acid colled coll chimaeric molecule, an expression vector comprising the coiled coil chimaeric molecule, an expression vector in equilation and multimer comprising the vector, a soluble biologically active multimer comprising the coiled coil chimaeric molecule, promoting cell growth or proliferation, decreasing or inhibiting ligand activity or cell proliferation and making a chimaeric molecule. The coiled coil chimaeric molecule comprises a domain belonging to a matrix protein family, transcription factor family, growth factor family or secretory protein family. The coiled coil domain is a from cartilage matrix protein (COMP). The receptor-binding domain binds to Tie2 or Tiel receptor. The receptor-binding domain binds to Tie2 or Tiel receptor. The creeptor-binding domain binds are useful for promoting or inhibiting a differential function and/or influencing the phenotype, such as growth, survival, contractility, migration and/or proliferation of receptor-bearing cells such as endothelial cells, hasmatopoietic stem cells and endothelial precursor cells. The present sequence represented the fibrinogen-like domain of Ang-1 in a chimaeric protein with a coiled-

Sequence 298 AA;

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Gaps

Gaps ö 100.0%; Score 106; DB 8; Length 298; 100.0%; Pred. No. 1.6e-08; ive 0; Mismatches 0; Indels 20; Conservative Best Local Similarity Matches 20; Conserv Query Match

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1 LCTKEGVLLKGGKREEEKPF 20

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ADI23640 standard; protein; 310 AA ADI23640;

(first entry) 22-APR-2004 Human CMP coiled-coil domain/Ang-1.

Human; Ang-1; fibrinogen-like domain; Preprotrypsin signal; angiopoletin1; coiled-coil domain; cell growth; proliferation; matrix protein; transcription factor; growth factor; secretory protein; cartilage matrix protein; CMP, cartilage oligomeric matrix protein; COMP, Tie2 receptor; Tie1 receptor; endothelial cell; haematopoietic stem cell; X S X L L L X B X L X B X B X B X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S X S

endothelial precursor cell.

Homo sapiens. Synthetic.

US2003220476-A1.

27-NOV-2003

18-OCT-2002; 2002US-00273180

(KOHG/) KOH G Y.

21-MAY-2002; 2002US-0382541P

Koh GY;

WPI; 2004-010889/01. N-PSDB; ADI23639 New coiled coil chimeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of ligand or ligand binding domain of a receptor, useful for inhibiting or promoting differential function.

Example 6; SEQ ID NO 6; 38pp; English.

coiled-coil domain linked to either a receptor binding domain of a ligand binding domain linked to either a receptor binding domain of a ligand binding domain of a receptor, which forms a biologically active multimer; and where the chimaeric molecule in its non-multimeric form is not biologically active. Also included are an isolated mucleic orm is comprising the mucleic acid, a host cell comprising the vector, a soluble biologically active multimer comprising the vector in soluble biologically active multimer comprising the coiled coil chimaeric molecule. The coiled coil chimaeric molecule comprises a chimaeric molecule. The coiled coil chimaeric molecule comprises a chimaeric colled coil chimaeric molecule comprises and chimaeric colled coil formain is from cartilage matrix protein family. The coiled coil domain is a fibrinogen-like domain of angiopoletin-l, ceceptor-binding domain binds to Tie2 or Tiel receptor. The chimaeric molecules are useful for promoting or inhibiting a differential function and/or influencing the phenotype, such as growth, survival, contractility, migration and/or proliferation of receptor-bearing cells such as endothelial precursor cells. The present sequence represents the fibrinogen-like domain of Ang-l in a chimaeric protein with a coiledö New coiled coil chimeric molecule comprising a coiled-coil domain linked to either a receptor binding domain of ligand or ligand binding domain of a receptor, useful for inhibiting or promoting differential function. Human; Ang-1; fibrinogen-like domain; Preprotrypsin signal; angiopoietin1; coiled-coil domain; cell growth; proliferation; matrix protein; transcription factor; growth factor; secretory protein; cartilage matrix protein; CMP; cartilage oligomeric matrix protein; Tiel receptor; endothelial cell; haematopoietic stem cell; invention relates to a coiled coil chimaeric molecule comprising Gaps ö 100.0%; Score 106; DB 8; Length 310; 100.0%; Pred. No. 1.7e-08; tive 0; Mismatches 0; Indels (Human COMP coiled-coil domain/Ang-1. ADI23642 standard; protein; 312 AA 1 LCTKEGVLLKGGKREEEKPF 20 76 LCTKEGVLLKGGKREEEKPF 95 18-OCT-2002; 2002US-00273180 21-MAY-2002; 2002US-0382541P endothelial precursor cell (first entry) 20; Conservative WPI; 2004-010889/01. Similarity N-PSDB; ADI23641. Sequence 310 AA; JS2003220476-A1. (KOHG/) KOH G Y. 22-APR-2004 sapiens 27-NOV-2003. Synthetic. ADI23642; Query Match Local Koh GY; Matches Ношо 셤 ઠે

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The inventor relates to a conted coil chimateric motecule compitating a coiled-coil domain linked to either a receptor binding domain of a ligand or ligand binding domain of a receptor, which forms a biologically active multimer, and where the chimateric molecule in its non-multimeric form is not biologically active. Also included are an isolated nucleic form is not biologically active. Also included are an isolated nucleic form is comprising the coiled coil chimateric molecule, an expression vector. A soluble biologically active multimer comprising the vector, a soluble biologically active multimer comprising the coiled coil chimateric molecule, promoting cell growth or proliferation, decreasing or inhibiting ligand activity or cell proliferation and making a chimateric molecule. The coiled coil chimateric molecule comprises a domain belonging to a matrix protein family, transcription factor family, growth factor family or secretory protein family. The coiled coil domain is a from cartilage matrix protein family. The coiled coil domain is a from cartilage matrix protein (COMP) or receptor-binding domain binds to Tie2 or Tiel receptor. The receptor-binding domain is a fibrinogen-like domain of angiopofetin-l, creeptor-binding domain is a fibrinogen-like domain of angiopofetin-l, creeptor-binding domain is a fibrinogen-like domain of angiopofetic stem cas growth, survival, contractility, migration and/or promoting or inhibiting a differential function and/or influencing the phenotype, such as growth, survival, contractility, migration and/or promoting or exceptor-bearing cells such as endothelial cells, haematopoietic stem cells and endothelial precursor cells. The present sequence represents
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the fibrinogen-like domain of Ang-1 in a chimaeric protein with a coiled-
coil domain.
                                                               invention relates to a coiled coil chimaeric molecule comprising a
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Pred. No. 1.7e-08;
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                    Example 7; SEQ ID NO 8; 38pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE38503 standard; protein; 402 AA
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Best Local Similarity
Matches 20; Conserv
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The invention relates to a method for stabilising the endothelium or reducing endothelial cell proliferation associated with a tumour by administering angiopoietin-1 polypeptide to a patient having tumour. The method is useful for stabilising the endothelium or reducing endothelial cell proliferation associated with a tumour. It is also useful in gene therapy. The present sequence is human angiopoietin-1. This sequence is used to illustrate the method of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       obesity; nutritional disorder; anorectic; angiopoietin 1;
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                                                                                                                                                                                                                                                                                                                                     Length 402;
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                                                                                                                                                                                                                                                                                                                                  100.0%; Score 106; DB 7;
100.0%; Pred. No. 2.2e-08;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-DEC-2004; 2004US-00019829.
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DUCHATEAU-NGUYEN GARDES C.
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N-PSDB; AEA81187.
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OSTENSON C.
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Matches
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The invention relates to a pharmaceutical composition comprising a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of angiopoletin (Ang)-1 protein or a mutant Ang-1. Also provided are methods of treating an individual suspected of having coronary artery disease, vascular disease or a condition involving ischaemia; of promoting angiogenesis, endothelial survival and maintaining vascular integrity in an individual; of treating an individual suspected of having a disease related to lack of blood vessels to effectively promote angiogenesis in the patients with the diseases to related to lack of blood vessels such as ischaemia in hearts and limbs; to reduce stroke, heart attack, blood vessels blockage, haemorrhage, artherosclerosis risk by maintaining the health and integrity of blood artherosclerosis risk by maintaining the patients who had stroke and the angioplasty procedure by promoting the growth/survival of endothelial cells and establish endothelial monolayer and inhibit excessive to treat patients with restenosis by inhibiting re-closure of blood vessel after inserting stents into blood vessels; to make stable and the restenosis by inhibiting re-closure of blood vessel after inserting stents into blood vessels; to make stable and functional artificial blood vessels comprising using the composition above; of identifying compounds that modulates binding of Ang-1 to ECM; of treating an individual suspected of having cancer; of perventing at risk of diabetes and/or arthritis in an individual suspected of parising at risk of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New pharmaceutical composition comprises a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of Ang-1 protein or a mutant Ang-1, useful for treating, e.g. cancer, vascular disease, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    developing diabetes or arthritis. The pharmaceutical composition is useful for treating disease and disorders, e.g. cancer, coronary artery disease, vascular disease, ischaemia, restenosis, diabetes, stroke, angiogenesis, or arthritis. The present sequence represents a non-ECM-binding fragment of Ang-1 protein.
                                                                                                                                                                                                                                                                                                           Ang-1; extracellular matrix; ECM; angiopoietin; cytostatic; vasotropic; antidiabetic; antiarthritic; cerebroprotective; antiangiogenic; gene therapy; mouse.
                                                                                                                                                                                                                                                                                    Mouse Ang-1 protein non-ECM-binding fragment,
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                                                                                                                                                  ADS13776 standard; protein; 456
1 LCTKEGVLLKGGKREBEKPP
                    264 LCTKEGVLLKGGKREBEKPF
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Sequence 456 AA;

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Gaps

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Indels

100.0%; Score 106; DB 9; 100.0%; Pred. No. 2.2e-08; iive 0; Mismatches 0;

Best Local Similarity 100. Matches 20; Conservative

Query Match

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The invention relates to a pharmaceutical composition comprising a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-
binding fragment of angiopoletin (Ang)-1 protein or a muteant Ang-1. Also provided are methods of treating an individual suspected of having coronary artery disease, vascular disease or a condition involving coronary artery disease, vascular disease or a condition involving ischaemia; of promoting angiogenesis, endothelial survival and maintaining vascular integrity in an individual; of treating an individual suspected of having a disease related to lack of blood vessels such as ischaemia in hearts and limbs; to effectively promote angiogenesis in the patients with the diseases to reduce stroke, heart attack, blood vessel blockage, haemorrhage, coresels; to assist the recovery of the patients who had stroke and the angioplasty procedure by promoting the growth/survival of endothelial cells and establish endothelial monolayer and inhibit excessive angioplasty procedure by promoting the growth/survival of endothelial cells and establish endothelial monolayer and inhibit excessive to treat patients with restenosis by inhibiting re-closure of blood vessels from and proliferation of vascular smooth muscle; to treat patients with restenosis by inhibiting the composition above; of identifying compounds that modulates binding of Ang-1 to ECM; of treating an individual suspected of having cancer; of perventing diseases and disorders, e.g. cancer, coronary artery disease, vascular disease, ischaemia, restenosis, diabetes, stroke, angiogenesis, or arthritis. The pharmaceutical composition is useful for treating disease, ischaemia, restenosis, diabetes, a non-ECM-
disease, vascular disease, ischaemia, restenosis, diabetes a non-ECM-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New pharmaceutical composition comprises a pharmaceutical carrier and an amount of an extracellular matrix (ECM)-binding fragment of Ang-1 protein or a mutant Ang-1, useful for treating, e.g. cancer, vascular disease, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ang-1; extracellular matrix; ECM; angiopoietin; cytostatic; vasotropic; antidiabetic; antiarthritic; cerebroprotective; antianglogenic; gene therapy; human.
                                                                                                           Gaps
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                                     Length 456;
                                                                                                           Indels
                                 100.0%; Score 106; DB 8; 100.0%; Pred. No. 2.6e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human Ang-1 protein non-ECM-binding fragment.
                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5; SEQ ID NO 7; 114pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                              ADS13775 standard; protein; 456 AA
                                                                                                                                                                                                                      222 LCTKEGVLLKGGKREEEKPF 241
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                                                                                                           Conservative
Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ischemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This is the amino acid sequence of the chimeric TIE ligand 2NICIF, used in the method of the invention, involving the production of TIE-2 ligands which promote healing. The nucleic acids, vectors and host cells used in the method of the invention are useful for the recombinant production of the ligands. The ligands, etc. are useful for blocking blood vessel growth, promoting neovascularisation, promoting the growth or differentiation of a cell expressing the TIE receptor, blocking the growth or differentiation of a cell expressing the TIE receptor and for attenuating or preventing tumour growth in a human
                                                                                                                                                                                                                                                                                                                   Chimeric TIE ligand 2N1C1F; TIE-2 ligand; neovascularisation; tumour;
                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modified human TIE-2 receptor ligand(s) - useful for promoting wound
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                                                                                                                                                                                                                                                                                        Amino acid sequence of chimeric TIE ligand 2NIC1F (chimera 4).
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                                                      Length 456;
                                                                                Indels
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Pred. No. 2.8e-08;
; Mismatches 0;
                                                  ; Score 106; DB 8;
; Pred. No. 2.6e-08;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR94603 standard; protein; 498 AA.
                                                                                                                                                                                                        AAW47526 standard; protein; 494 AA.
binding fragment of Ang-1 protein.
                                                                                                                         LCTKEGVLLKGGKREEEKPF 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 20; Fig 27; 202pp; English.
                                                                                                         1 LCTKEGVLLKGGKREEEKPF 20
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                                                    100.0%;
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100.0%;
Best Local Similarity 100.0%;
Matches 20; Conservative 0;
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96US-00740223.
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                                             Query Match
Best Local Similarity 100.0
Warches 20; Conservative
                                                                                                                                                                                                                                                             09-SEP-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yancopoulos GD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1998-145615/13.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 494 AA;
                            Sequence 456 AA;
                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                        WO9805779-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                             01-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                  12-FEB-1998
                                                                                                                                      222
                                                                                                                                                                                                                                     AAW47526;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             healing
                                                                                                                                                                                                                                                                                                                                     human.
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ID AAR9
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TIE-2 ligand 1; tyrosine kinase with Ig and EGF homology domain; receptor; agonist; neovascularisation; wound healing; ischaemia; leukopaenia; thrombocytopaenia; ansemia; angiogenesis; tumour; atheroscierosis; inflammation; diagnosis; therapy.

Human TIE-2 ligand 1 (lambda-gt10 clone product).

(first entry)

11-FEB-1997

AAW01409;

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AAW01409 standard; protein; 498

/note= "Gly-269 is absent in TIE-2 ligand 1 from glioblastoma T98G"

Location/Qualifiers 269

Misc-difference sapiens.

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AAR94603 is a recombinant human TIE-2 (hTIE-2) ligand 1 derived from a lambda-gt10 clone. The ligand has an extra Gly residue (aa 269) as compared to the hTIE-2 ligand from a T986 clone (see AAT1649) and AAR94604). hTIE-2 ligand base of the invention are recombinant versions of the native ligand coding sequences and may be used to produce the ligands at a high yield. Antibodies and receptor bodies that bind to TIE-2 ligands may be used to inhibit analogemests and neovascularisation (e.g. associated with tumour development) and the TIE-2 ligands themselves are useful to promote neovascularisation and wound healing thromboembolytic disease, atherosclerosis, inflammation and diabetes. Ligand bodies contg. TIE-2 ligands may also be useful for the delivery and targeting of growth factors, toxins etc. to sites where their
                                                                                                             Anglogenesis; neovascularisation; tumour development; wound healing; TIE; tyrosine kinase with Ig and EGF homology domains; vector; recombinant; clone; diagnosis; ischaemia; thromboembolytic disease; atherosclerosis; inflammation; diabetes; ligand bodies; delivery; targeting.
                                                                                                                                                                                                                                                                /note= "extra Gly residue not present in TIE-2 ligand 1 derived from T98G clone (see AAT14649 and AAR94604)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic acid encoding TIE-2 ligand and related vectors - useful in diagnosis and treatment of neovascularisation, tumours, etc., or to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Maisonpierre PC;
                                                                              Human TIE-2 ligand 1 derived from lambda-gt10 clone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Goldfarb M, Aldrich TH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bruno J, Goldtarb m, nausselles GD;
                                                                                                                                                                                                                            Location/Qualifiers
269
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94US-00330261.
94US-00348492.
94US-00353503.
95US-00373579.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 2; Fig 4; 84pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   95US-00418595
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    promote wound healing, etc.
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Query Match

Best Local Similarity

Local Similarity

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Local Similarity
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N-PSDB; AAT14648.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Radziejewski C,
                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                              07-0CT-1994;
27-0CT-1994;
02-DEC-1994;
09-DEC-1994;
17-JAN-1995;
06-APR-1995;
                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                 WO9611269-A2
                                              28-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                   06-0CT-1995;
                                                                                                                                                                                                                                                                                                                                                  18-APR-1996
               AAR94603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Davis S.
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Maisonpierre PC;

Aldrich TH,

Bruno J, Goldfarb M, Aldrich TH Bki C, Jones PF, Yancopoulos GD;

Radziejewski C,

Davis

WPI; 1996-465021/46. N-PSDB; AAT44319.

96WO-US004806

05-APR-1996; 06-APR-1995;

10-0CT-1996

WO9631598-A1

95WO-US012935 95US-00418595

06-OCT-1995;

(REGE-) REGENERON PHARM INC.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human TIE-2 (tyrosine kinase with Ig and EGF homology domains) ligand 1 (AAW01409) is a ligand that binds the TIE-2 receptor. Its amino acid sequence was deduced from a cDNA clone (AAT44319) derived from foetal lung cells. A variant form of the ligand (AAW01410), lacking Gly-269, is produced by a cDNA clone (AAT44320) from gliobastoma T98G cells. Both ligands are TIE-2 agonists useful in promoting the growth, survival, migration and/or differentiation and/or stabilisation or destabilisation of cells expressing the TIE-2 receptor. They can be isolated from natural sources or produced in transformed host cells
                                                                                                                                                                                                                                                                                                                                                                                                                                              IIE-2 agonists and antagonists and related DNA - useful for promoting or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 106; DB 2; 100.0%; Pred. No. 2.8e-08;
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Job time : 185 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           blocking neovascularisation, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 14; Fig 4; 113pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 LCTKEGVLLKGGKREEEKPF
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nes 20; Conserv
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Gaps

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Length 498;

100.0%; Score 106; DB 2; Length 4 100.0%; Pred. No. 2.8e-08; tive 0; Mismatches 0; Indels

LCTKEGVLLKGGKREEEKPF 283 LCTKEGVLLKGGKREEEKPF 20

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, RESULT 15

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GenCore version 5.1.8
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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OM protein - protein search, using sw model

May 11, 2006, 11:33:31 ; Search time 38 Seconds (without alignments) 50.640 Million cell updates/sec Run on:

106 1 LCTKEGVLLKGGKREEEKPF 20 US-10-789-222-1 Perfect score: Title:

Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283416 seqs, 96216763 residues Searched:

283416 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

PIR 80:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

STIMMINE

						SUMMARIES	
Reg	Regult		Ouerv				
	No.	Score	Match	Length	DB	ID	Description
i	-	49	46.2	658	7	B86599	metal transport P-
	7	49	46.2	658		D72026	
	٣	49	46.2	629	~	A81742	rt.
	4	49	46.2	629		B71479	probable metal tra
	ß	49	46.2	683		C81515	cation-transportin
	9	47	44.3	673		AG3521	cation-transportin
	7	47	44.3	927	•	JQ0948	A5 antigen precurs
	۵	46.5	43.9	591		SYHUTP	CTP synthase (EC 6
	σ	46	43.4	389		S01371	myosin heavy chain
	10	45	42.5	168		JG0184	fibroblast growth
	11	45	42.5	257		E71601	probable integral
	12	45	42.5	450		S15675	globulin-2 precurs
	13	44	41.5	97	•	T29766	hypothetical prote
	14	44	41.5	141	'n	T48751	
	15	44	•	154	~	T20508	
	16	44	41.5	228	~	C87184	conserved hypothet
	17	44	41.5	281	~	B81440	acetylglutamate ki
	18	44	41.5	396	N	A48336	coat protein - Sou
	19	44	41.5	406	Н	A70015	probable NADH2 deh
	20	44	41.5	486	7	S63384	
	21	43	40.6	216	~	A56861	peptidylprolyl iso
	22	43	40.6	227	7	F90249	ribose 5-phosphate
	23	43	40.6	394	7	H97825	elongation factor
•	54	43	40.6	394	~	C71672	translation elonga
	52	43	40.6	416	7	H69436	5-enolpyruvylshiki
	56	43	40.6	477	~	T52382	zinc finger protei
	27	43		504	7	T10698	legumin-like prote
ø,	28	43	40.6	290	~	C81911	nitrate/nitrite se
r	53	43	40.6	290	7	B81104	nitrate/nitrite se

792 2 T08878 204 2 C82807 284 2 E64507 284 2 F71091 134 2 E64507 1149 2 B459669 1149 2 B43959 1187 2 S10721 1188 1 XKPODC 220 2 S52656 220 2 S52656 221 2 T07411 221 2 T07413	supervillin P205 -	30S ribosomal prot	molybdopterin-guan	hypothetical prote	phosphoneuroprotei	phosphoneuroprotei	synuclein alpha -	synuclein, form 2	cathepsin D inhibi	cathepsin D inhibi	aspartic proteinas	cathepsin D inhibi	aspartic proteinas	proteinase inhibit	proteinase inhibit	22.5K cathepsin D
	T08878	C82807	E64507	F71091	S39046	I56498	A49669	B43959	S10721	XKPODC	XKPOD	S52656	S24186	T07411	T07413	JQ2246
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	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

C;Date: U2-Mar-2001 #Sequence_revision U2-Mar-2001 #text_cnange U9-001-2004 C;Accession: B86599
R;Shirai, M.; Hirakawa, H.; Kimoto, M.; Tabuchi, M.; Kishi, F.; Ouchi, K.; Shiba, T.; Isi Nucleic Acids Res. 28, 2311-2314, 2000 A;Title: Comparison of whole genome sequences of chlamydia pneumoniae J138.
A; Molecule type: DNA A; Molecule type: DNA A; Molecule type: DNA
A;Residues: 1-658 <sto> A;Cross-references: UNIPROT:Q9Z738; UNIPARC:UPI0000D404D; GB:BA000008; NID:g8979242; PII A;Experimental source: strain J138 C;Genetics:</sto>
 A;Gene: zntA C;Superfamily: Enterococcus copper-transporting ATPase copB; ATPase nucleotide-binding do
Query Match 46.2%; Score 49; DB 2; Length 658; Best Local Similarity 81.8%; Pred. No. 16; Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

331 CAKHGVLLKGG 341 2 CTKEGVLLKGG 12

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metal transport p-type ArPase - Chlamydophila pneumoniae (strain CWL029)
C;Species: Chlamydophila pneumoniae, Chlamydia pneumoniae
C;Species: Chlamydophila pneumoniae, Chlamydia pneumoniae
C;Species: 21-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
C;Accession: D72026
R;Kalman, S.; Mitchell, W.; Marathe, R.; Lammel, C.; Fan, J.; Olinger, L.; Grimwood, J.;
Nature Genet. 21, 385-389, 1999
A;Title: Comparative genomes of Clamydia pneumoniae and C. trachomatis.
A;Accession: D72026
A;Accession: D72026
A;Accession: D72026
A;Accession: D72026
A;Accession: D72026
A;Accession: D72036
A;Acc

A;Gene: zntA C;Superfamily: Enterococcus copper-transporting ATPase copB; ATPase nucleotide-binding d: F;478-620/Domain: ATPase nucleotide-binding domain homology <ATN>

46.2%; Score 49; DB 2; Length 658; 81.8%; Pred. No. 16; Query Match Best Local Similarity us-10-789-222-1.rpr

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Page

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J;Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 09-Jul-2004
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A; Residues: 1-927 <TAK>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Residues: 1-673 < KUR>
                                                                                                                                                                                    A;Accession: C81515
A;Status: preliminary
A;Molecule type: DNA
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Matches 9
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A81742

A81742

Continuation ATPase, E1-E2 family TC0100 [imported] - Chlamydia muridarum (strain cyation-transporting ATPase, E1-E2 family TC0100 [imported] - Chlamydia muridarum (strain cyspecies: Chlamydia muridarum, Chlamydia trachomatis MoPn C;Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 09-Jul-2004

C;Accession: A81742

R;Read, T.D.; Brunham, R.C; Shan, W.; DeBoy, R.; Heidelberg, J.F.; White, O.; Hickey, C.; Dodson, R.; Gwinn, M.; Nelson, W.; DeBoy, R.; Kolonay, J.; McClarty, G.; Salzberg, Nucleic Acids Res. 28, 1397-1406, 2000

A;Title: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.

A;Reference number: A81500; MUID:20150255; PMID:10684935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                probable metal transport p-type ATPase - Chlamydia trachomatis (serotype D, strain UM3/C C;Species: Chlamydia trachomatis
C;Species: Chlamydia trachomatis
C;Date: 13-Sep-1998 #sequence_revision 13-Sep-1998 #text_change 09-Ju1-2004
C;Accession: B71479
R;Stephens, R.S.; Kalman, S.; Lammel, C.J.; Fan, J.; Marathe, R.; Aravind, L.; Mitchell, A;Cence 282, 754-759, 1998
A;Title: Genome sequence of an obligate intracellular pathogen of humans: Chlamydia trac
A;Reference number: A71570; MUID:99000809; PMID:9784136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: UNIPROT:084732; UNIPARC:UP100000D3395; GB:AE001343; GB:AE001273; NID
A;Experimental source: serotype D, strain UM-3/Cx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A)Cross-references: UNIPROT:Q9PLJ9; UNIPARC:UPI00000577C9; GB:AE002277; GB:AE002160; NIC
A)Experimental source: strain Nigg (MoPn)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A/Gene: TC0100
C/Superfamily: Enterococcus copper-transporting ATPase copB; ATPase nucleotide-binding
F;478-620/Domain: ATPase nucleotide-binding domain homology <ATN>
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F;478-620/Domain: ATPase nucleotide-binding domain homology <ATN>
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Cation-transporting ATPase, E1-E2 family CP1001 [imported] - Chlamydophila pneumoniae
C/8pecies: Chlamydophila pneumoniae, Chlamydia pneumoniae
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Pred. No. 16;
0; Mismatches 2; Indels
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Pred. No. 16;
0; Mismatches 2; Indels
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Conservative
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A,Molecule type: DNA
A,Residues: 1-659 <TET>
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A;Molecule type: DNA
A;Residues: 1-659 <ARN>
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Best Local S
Matches 9
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     Matches
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cation-transporting p-type ATPase b (EC 3.6.1.-) [imported] - Brucella melitensis (strain C;Species: Brucella melitensis
C;Species: Brucella melitensis
C;Species: D1-Feb-2002 #sequence_revision 01-Feb-2002 #text_change 09-Jul-2004
C;Accession: AG3521
R;DelVecchio, V.G.; Kapatral, V.; Redkar, R.J.; Patra, G.; Mujer, C.; Los, T.; Ivanova, P.; Mazur, M.; Goltsman, E.; Selkov, E.; Elzer, P.H.; Hagius, S.; O'Callaghan, D.; Letessc A;Title: The genome sequence of the facultative intracellular pathogen Brucella melitens)
A;Reference number: AD3252; PMID:11756688
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C;Superfamily: Enterococcus copper-transporting ATPase copB; ATPase nucleotide-binding dc
C;Reywords: hydrolase
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Cispecies: Xenopus laevis (African clawed frog)
Cjoate: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 16-Jun-2000
CjAccession: JH0466; JQ0948
R;Takagi, S:; Hirata, T.; Agata, K.; Mochii, M.; Eguchi, G.; Fujisawa, H.
Asuron 7. 295-307, 1991
A;Title: The As antigen, a candidate for the neuronal recognition molecule, has homologies
                                                                                                                                                                                                                                                                                                                                             A;Residues: 1-683 <REA>
A;Cross-references: UNIPROT:Q9KIU0; UNIPARC:UPI0000CCCD4; GB:AE002257; GB:AE002161; NID
A;Experimental source: strain AR39; HL cells
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C;Accession: C81515
R;Read, T.D.; Brunham, R.C.; Shen, C.; Gill, S.R.; Heidelberg, J.F.; White, O.; Hickey, C.; Dodson, R.; Gwinn, M.; Nelson, W.; DeBoy, R.; Kolonay, J.; McClarty, G.; Salzberg, Nucleic Acids Res. 28, 1397-1406, 2000
A;Title: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.
A;Reference number: A81500; MUID:20150255; PMID:10684935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Gene: CP1001
C;Superfamily: Enterococcus copper-transporting ATPase copB; ATPase nucleotide-binding
P;503-645/Domain: ATPase nucleotide-binding domain homology <ATN>
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Pred. No. 16;
0; Mismatches 2; Indels
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44.3%; Score 47; DB

Best Local Similarity 56.2%; Pred. No. 33;

Matches 9; Conservative 2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match 46.2%;
Local Similarity 81.8%;
New 9; Conservative
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A, Cross-references: UNIPARC: UP10000171502; GB:D10467; GB:D01077; NID:9222962; PIDN:BAA012

Gaps

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Indels

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A,Molecule type: mRNA
A,Residues: 36-389 <CAS2>
A,CROSS-references: UNIPARC:UPI0000177609
A,Note: that from fig. 5 in having 64-1le,
A,Note: the sequence from fig. 7 is inconsistent with that from fig. 5 in having 64-1le,
C,Superfamily: myosin heavy chain; myosin motor domain homology
C,Keywords: ATP; cardiac muscle; coiled coil; heart; muscle contraction; skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rixok, L.D.S.; Tsui, S.K.W.; Waye, M.; Liew, C.C.; Lee, C.Y.; Fung, K.P.
Biochem. Biochyw. Res. Commun. 255, 77-721, 1999
A;Title: Cloning and characterization of a cDNA encoding a novel fibroblast growth factom
A;Reference number: JG0184; MUID:99160419; PMID:10049777
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Cross-references: UNIPROT: Q9TY93; UNIPARC: UP100000814CB; GB: AE001431; GB: AE001362; NID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fibroblast growth factor - human
C,Species: Homo sapiens (man)
C,Date: 23-Jul-1999 #sequence_revision 23-Jul-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: UNIPROT:P61328; UNIPARC:UP10000040663; GB:U76381
C;Superfamily: fibroblast growth factor
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                                                                                                                                                                                                                                                                          Length 389;
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              A;Status: not compared with conceptual translation
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Pred. No. 28;
5; Mismatches
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11 KSGVLLKDKNTEEGRKKERQKP 32
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117 KEĞQIMKĞNRVEKTKP 132
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Best Local Similarity 44.4%;
Matches 8; Conservative
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A; Residues: 1-168 < KOK>
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Matches
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A;Experimental source: tadpole, brain
A;Note: this protein has motifie homologous to complement components Cir and Cis and to C;Comment: This protein has motifie homologous to complement components Cir and Cis and C;Comment: This protein is a neuronal cell surface molecule involved in the neuronal red C;Superfamily: Xenopus AS antigen; Cir/Cis repeat homology; discoidin I amino-terminal h F;1-21/Domain: signal sequence #status predicted <SIG>
F;2-927/Product: AS antigen #status predicted <ASA>
F;2-927/Product: AS antigen #status predicted <ASA>
F;27-138/Domain: Cir/Cis repeat homology <CIRI>
F;27-138/Domain: Cir/Cis repeat homology <CIRI>
F;37-4-424/Domain: discoidin I amino-terminal homology <NNI>
F;430-584/Domain: MAM homology <MAM>
F;464-812/Domain: MAM homology <MAM>
F;66-812/Domain: transmembrane #status predicted <TMM>
F;150,261,300,523,844/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTP Synthase (EC 6.3.4.2) - human
N;Alternate names: CTP-synthetase; UTP-ammonia ligase
N;Alternate names: CTP-synthetase; UTP-ammonia ligase
S;Specias: Homo sapiens (man)
C;Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 09-Jul-2004
C;Accession: S12791
R;Yamauchi, M.; Yamauchi, N.; Meuth, M.
EMBO J. 9, 2095-2099, 1990
A;Title: Molecular cloning of the human CTP synthetase gene by functional complementatic
A;Reference number: S12791; MUID:90291972; PMID:2113467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Accession: $12791
A;Molecule type: mRNA
A;Residues: 1-591 <YAN>
A;Cross-references: UNIPROT:P17812; UNIPARC;UPI0000163BFD; GB:X52142; NID:g30292; PIDN:C
C;Comment: This enzyme is a glutamine amidotransferase that catalyzes the terminal react
C;Genetics:
A;Gene: GDB:CTPS
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C;Species: Notophthalmus viridescens, Triturus viridescens (eastern newt)
C;Date: 30-Sep-1999 #sequence_revision 06-Sep-1996 #text_change 09-Uul-2004
C;Accession: 501371; 567907
R;Cassintr, C.M.; Gates, P.B.; Ross-Macdonald, P.B.; Jackson, J.P.; Patient, R.K.; Brocke J. Mol. Biol. 202, 287-296, 1988
A;Title: Structure and expression of a newt cardio-skeletal myosin gene. Implications fo A;Reference number: 501371; WUID:89011957; PMID:2459393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A)Status: not compared with conceptual translation
A;Molecule type: DNA
A;Residues: 1-71 <CAS.
A;Cross-references: UNIPROT:Q7L284; UNIPARC;UPI0000177608
A;Note: the sequence from fig. 7 is inconsistent with that from fig. 5 in having 64-1le, A;Accession: S67907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ï
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  44.3%; Score 47; DB 1; Length 927; 53.3%; Pred. No. 44;
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C,Superfamily: CTP synthase
C,Keywords: ligase; pyrimidine nucleotide biosynthesis
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Pred. No. 35;
4; Mismatches
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Local Similarity 31.4%;
nes 11; Conservative
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Best Local Similarity 53.3.3.
Conservative
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A;Cross-references: UNIPROT:001314; UNIPARC:UPI0000074F98; EMBL:Z81494; PIDN:CAB04047.1; A;Experimental source: clone F02E9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypothetical protein F02E9.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T20508
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Pred. No. 23;
1; Mismatches 5; Indels
                                                                    Query Match
41.5%; Score 44; DB 2; Length 141;
Best Local Similarity 64.3%; Pred. No. 21;
Matches 9; Conservative 1; Mismatches 4; Indels
    C; Superfamily: Neurospora crassa hypothetical protein 8D4.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A)Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-154 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RjGray, I.
submitted to the EMBL Data Library, November 1996
A,Reference number: Z19285
A,Accession: T20508
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Job time : 39 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Map position: 1
A;Introns: 29/2; 52/2; 80/3; 131/3
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Best Local Similarity 60.0%;
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                    74 TKNGKLLSGGKDED 87
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A;Gene: CESP:F02E9.1
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C;Species: Neurospora crassa
C;Species: Neurospora crassa
C;Date: 05-May-2000 #sequence_revision 05-May-2000 #text_change 19-May-2000
C;Accession: T4875:
R;Schulte, U.; Aign, V.; Hoheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura, submitted to the Protein Sequence Database, April 2000
A;Reference number: Z24541
A;Accession: T48751
A;Accession: T48751
A;Accession: T48751
A;Mesidues: 1-141 <SCH>
A;Accession: T48751
A;Accession: T487
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A;Experimental source: strain Bristol N2; clone ZC581
C;Genetics:
$15675
globulin-2 precursor - maize
C;Decies Zea mays (maize)
C;Accession: 815675
E;Mailace, N.H.; Kriz, A.L.
Plant Physiol. 95, 973-975, 1991
A;Title: Nucleotide sequence of a cDNA clone corresponding to the maize globulin-2 gene.
A;Reference number: 815675
A;Accession: 815675
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CiDates: 15-0ct-1999 #sequence_revision 15-0ct-1999 #text_change 15-0ct-1999
CiAccession: T29766
RiWaterston, B.; Gattung, S.; Le, T.T.
submitted to the EMBL Data Library, May 1997
A;Description: The sequence of C. elegans cosmid ZC581.
A;Reference number: Z20682
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                                                                                                                                                                                                                                                                                                                                                                                    A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-450 < WAL>
A;Cross-references: UNIPROT:Q7M1Z8; UNIPARC:UPI0000177E41
C;Superfamily: vicilin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein ZC581.5 - Caenorhabditis elegans
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A;Status: preliminary: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-97 <WAT>
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68.8%; Pred. No. 45;
tive 1; Mismatches
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Best Local Similarity 53.8
Matches 7; Conservative
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A, Map position: 1
A, Introns: 74/1
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                                                                                    May 11, 2006, 11:30:26 ; Search time 234 Seconds (without alignments) 60.302 Million cell updates/sec
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Q08538
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Q6nwv7
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ANGP1 HUMAN
ANGP1 HUMAN
06HYA0 HUMAN
06HYA0 HUMAN
06BDF2 FIG
08BDF3 HUMAN
ANGP1 RAT
06BDF0 MOUSE
06BDF1 BAT
06BDF1 BOT
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07Y017 ORYSA
07XDX7 ORYSA
0614Z3 ORYSA
07XWN4 ORYSA
06055—0RYSA
075J33—0RYSA
075J33—0RYSA
075J33—0RYSA
075J33—0RYSA
0961559—0RYSA
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Maximum Match 100%
Listing first 45 summaries
                                                          OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                heart early development.
SUBCELLUTAR LOCATION: Secreted.
FTM: Glycosylated.
MISCELLANEOUS: It may have a potential therapeutic utility since it can be used for specifically targeting tumor vasculature or for promoting anglogenic processes in certain organs such as an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE-22158633; PubMed=12168954;
MEDLINE-22158633; PubMed=12168954;
MEDLINE-22158633; PubMed=12168954;
Medium D., Okazaki N., Yamakawa H., Kikuno R., Ohara O., Nagase T.;
"Construction of expression-ready cDNA clones for KIAA genes: manual
curation of 330 KIAA cDNA clones.";
DNA Res 9:99-106(2002).
-!-FUNCTION: Binds and activates TIE2 receptor by inducing its
tyrosine phosphorylation. Implicated in endothelial developmental
processes later and distinct from that of VBGF. Appears to play a
crucial role in mediating reciprocal interactions between the
endothelium and surrounding matrix and mesenchyme. Mediates blood
vessel maturation/stability. It may play an important role in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUB=Bone marrow;

MEDLINE=S061387; PubMed=7584026;

MEDLINE=5061387; PubMed=7584026;

MEDLINE=96051387; PubMed=7584026;

Sato S., Nagase T., Seki N., Ishikawa K.-I., Tabata S.;

"Prediction of the coding sequences of unidentified human genes. I."

"The coding sequences of 40 new genes (KIAA0001-KIAA0040) deduced by

analysis of randomly sampled cDNA clones from human immature myeloid
                                                                                                                                                                                                                                                                                                                                                                               Shan Z.X., Yu X.Y., Lin Q.Y., Fu Y.H., Tan H.H., Zheng M., Lin S.G.; "Human angiopoietin-1 mRNA variant forms."; Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
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GO: GO: 000165; P: signal transduction; TAS.

InterPro; IPR002181; Fibrinogen_C.

Pfan, PR00147; Fibrinogen_C; 1.

PR05ITE; PS00514; FIBRIN AG C_DOMAIN; 1.

Anglogenesis; Coiled coil; Developmental protein; Differentiation; Glycoprotein; Polymorphism; Signal.

SIGNAL.

SIGNAL.

1 15
Yancopoulos G.D.;
isolation of anglopoietin-1, a ligand for the TIE2 receptor, by
escretion-trap expression cloning.";
Cell 87:1161-1169(1996).
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SIMILARITY: Contains 1 fibrinogen C-terminal domain.
                                                                                                                                                                                                        Nakatsukasa M., Komai K., Shiozawa S.; "Human angiopoietin-1 mRNA variant form."; Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                  AND VARIANT GLY-269 DEL
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HSSP; P02671; 1FZD.
Ensembl; ENSG0000154188; Homo sapiens.
                                                                                                                                                                           NUCLEOTIDE SEQUENCE, AND VARIANT GLY-269
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EMBL; AX121504; AAM81745.1; -; mRNA.
EMBL; AX124380; AAM92271.1; -; mRNA.
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Yancopoulos G.D.;

"Isolation of angiopoietin-1, a ligand for the TIE2 receptor, by a recopoulos G.D.;

"Isolation of angiopoietin-1, a ligand for the TIE2 receptor, by a secretion-trap expression cloning.";

"Cell 87:1161-1169(1996).

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Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE-97134663; PubMed=8980223; DOI=10.1016/S0092-8674(00)81812-7; Davis S., Aldrich T.H., Jones P.F., Acheson A., Compton D.L., Jain V., Ryan T.E., Bruno J., Radziejewski C., Maisonpierre P.C.,
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By similarity.
Missing (in cell line T98G; may
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    Fibrinogen C-terminal
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N-linked (GlCNAC...
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16-OCT-2001 (Rel. 40, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Anglopietin-1 precursor (ANG-1).
Musme-Angpt1; Synonyms-Agpt;
Mus musculus (Mouse).
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HSSP; P02671; 1FZD.
Ensembl; RSNUSG00000023309; Mus musculus.
MGI; MGI:108448; Angptl.
GO; GO:0005615; C:extracellular space; TAS.
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Muridae; Murinae; Mus
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      GO:0005172; F:vascular endothelial growth factor receptor. . .; TAS. GO:0007492; P:endoderm development; TAS. GO:0007169; P:transmembrane receptor protein tyrosine kin. . .; IDA.
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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The German cDNA Consortium;
Bahr A., Lauber J., Mewes H.W., Weil B., Amid C., Osanger A., Fobo G.,
Han M., Wiemann S.;
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10-MAY-2005 (TrEMBLrel. 30, Last seq
110-MAY-2005 (TrEMBLrel. 30, Last ann
Hypothetical protein DKFZp686110222.
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(TrEMBLrel. 27, I
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QSHYAO;
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DISULPID
SEQUENCE
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CARBOHYD
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206NW7 MO
1D Q6NW
AC Q6NW
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2T 05-J
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
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Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
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01-0CT-2003 (TrEMBLrel. 25, Last annocation update)
Mus musculus 2 days neonate thymic cells cDNA, RIKEN full-
length enriched library, clone:E430016L03 product:angiopoietin, full
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STRAIN-C57BL/6J; TISSUE=Embryo;
STRAIN-C57BL/6J; TISSUE=Embryo;
Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; SC067410; AAH67410.1; -; mENA.
GO; GO:000515; C:extracellular space; TAS.
GO; GO:000515; P:vascular endothelial growth factor receptor. . . GO; GO:0007492; P:vascular endothelial growth factor receptor. . . GO; GO:0007169; P:transmembrane receptor protein tyrosine kin. . InterPro; IPR002181; Fibrinogen_C.
Ffam; FF00147; Fibrinogen_C:
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SMART; SM00186; PBG; 1.
PROSITE; A90514; FIBRIN AG C DOMAIN; 1.
A98 AA; 57519 MW; FC36F905A9E79074 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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01-MAR-2003 (TrEMBLrel. 23, Last seq
01-OCT-2003 (TrEMBLrel. 25, Last ann
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Best Local Similarity 100.0%;
Matches 20; Conservative 0
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RESULT 8
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X Kawai J., Shinagawa A., Shibata K., Yoshino M., Itch M., Ishii Y.,
A Arawawa T., Hara A., Fukunishi Y., Komoh M., Andria Y., Yamanaka I.,
A Alzawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
A Alzawa K., Izawa M., Nishi K., Xiyosawa H., Kasukawa T., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
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Kuchl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
Schiml L.M., Stanbil F., Suzuki R., Tomita M., Magner L., Mashio T.,
A Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
Blake J., Boffelli D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.
Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
Buzuki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
Whynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
A Havashizaki Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          the RIKEN Genome Exploration Research Group Phase I & II Team; "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs."; Nature 420:563-573 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=NOD; TISSUE=Thymus;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazati Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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              STRAIN=NOD; TISSUE=Thymus;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayaehizaki Y.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hayashizaki Y.; "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLECTIDE SEQUENCE.
STRAIN-NOD; TISSUE-Thymus;
The FANTOM CONSORTIUM,
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                                                                                                             NUCLEOTIDE SEQUENCE.
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01-0CT-2002 (TrEMBLrel. 22, Created)
01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-0CT-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
ANGPTI protein.
Homo sapiens (Hunan).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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WICLECTIDE SEQUENCE.

WEDLINE=21153163; Pubbled=11230987; DOI=10.1016/S0008-6363(00)00295-9;

Kim I., Moon S.O., Han C.Y., Pak Y.K., Moon S.K., Kim J.J., Koh G.Y.;

Kim I., Moon S.O., Han C.Y., Pak Y.K., Moon S.K., Rim J.J., Koh G.Y.;

"The angiopoietin-tie2 system in coronary artery endothelium prevents oxidized low-density lipoprotein-induced apoptosis.";

Cardiovasc. Res. 49:872-881(2001).

ERBL; AF233227; AAK14992.1; -; MRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Mammalia, Butheria, Laurasiatheria, Cetartiodactyla, Suina, Suidae,
Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T., Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.; Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AKO88439; BAC40354.1; -; mRNA.

HSSP; P02671; 1FZD.

MGI; MGI: 10848; Angptl.

InterPro; IPR002181; Fibrinogen C.

Pfam; PP00147; Fibrinogen C; 1.

PRART; SM00186; PBG; 1.

SROUTE; PS00514; FIBRIN AG C DOMAIN; 1.

SEQUENCE 498 AA; 57475 MW; 285D957468C5D800 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO; GO:0001525; P:angiogenesis; IEA.
InterPro; IPR002181; Fibrinogen_C.
Ffam; PF00147; Fibrinogen_C; 1.
SMART; SM00186; FBG; 1.
PROSTIE; PS000514; FIBRIN AG C DOMAIN; 1.
SEQUENCE 498 AA; 57413 MW; A8CIC8EF56061876 CRC64;
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01-UUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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al Similarity 100.0%;
20; Conservative 0;
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Q8NGP3;
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Sus scrofa (Pig)
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NCBI_TaxID=9606;
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bloinformatics and the EMED outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
"Regulation of angiopoietin-2 mRNA levels in bovine microvascular endothelial cells by cytokines and hypoxia.";
Circ. Res. 83:852-859(1998).
-!-FUNCTION: Binds and activates TIEZ receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROSITE; PS00514; FIBRIN AG C_DOMAIN; 1.
Angiogenesis; Coiled coil; Developmental protein; Differentiation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 89.5; DB 1; Length 497; Pred. No. 6e-05;
                                                                                                                                                                                                                                             heart early development.
-!- SUBCELLULAR LOCATION: Secreted.
-!- SIMILARITY: Contains 1 fibrinogen C-terminal domain.
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E -> K (in Ref. 2).
E -> K (in Ref. 2).
G -> K (in Ref. 2).
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GO; GO:0005102; F:receptor binding; TAS.

GO; GO:0001525; P:angiogenesis; IEP.

GO; GO:0001525; P:angiogenesis; IEP.

InterPro; IPR002181; Fibrinogen_C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Angiopoletin-1.
Pibrinogen C-terminal.
Potential.
Potential.
N-linked (GLNAC. .)
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ensembl; ENSRNOG00000005854; Rattus norvegicus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          521 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AB080023; BAC10290.1; -; mRNA.
EMBL; AF030376; AAC78246.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-OCT-2004 (TrEMBLrel. 28, Created) 25-OCT-2004 (TrEMBLrel. 28, Last seq 25-OCT-2004 (TrEMBLrel. 28, Last ann MKIAA0003 protein (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 264 LCTKE-VLLKGCKREEEKPF 282
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Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LCTKEGVLLKGGKREEEKPF 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF00147; Fibrinogen_C; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             57461 MW;
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QGAOFO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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497
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261
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SM00186; FBG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Glycoprotein; Signal Signal SignAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HSSP; P02671; 1FZD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          497 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
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81
153
122
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Local S...
19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CARBOHYD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                removed
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Q6A0F0_MOUSE
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                                                                             Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Both of M., Soares M.B., Bonaldo M.F., Gasavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toobhlyuki S., Carninci P., Frange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McWam P.J., McKernan K.J., Mande J.A., Gubbs R.A.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Rhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Chertical A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1;
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STRAIN=Wistar; TISSUB=Placenta;
STRAIN=Wistar; TISSUB=Placenta;
MEDLINE=22346496; PubMed=12458684; DOI=10.1023/A:1020921818105;
MEDLINE=22346496; PubMed=12458684; DOI=10.1023/A:1020921818105;
Tizasa H., Rae S.H., Asashima E.;
Teresaki T., Kang Y.S., Nakashima E.;
Teresaki T., Teresaki T., Kang Y.S., Nakashima E.;
Teresaki T., Teresaki T., Kang Y., Nakashima E.;
Teresaki T., Teresaki T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ä
                               TISSUE-Prostate;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         84.4%; Score 89.5; DB 2; Length 147; llarity 95.0%; Pred. No. 1.8e-05; Conservative 0; Mismatches 0; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Strausberg R., Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases. EMBL, BC029406; AAH29406.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HSEP; PO2671; 1FZD.
INCEPTO; IPR002101; Fibrinogen_C.
Pfam; PF00147; Fibrinogen_C; 1.
SMART; SMOA166; FBG; 1.
SRQUENCE 147 AA; 17314 MW; 68DFD40DE06FA37E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANGP1 RAT STANDARD; PRT; 497 AA. 035460; Q8K4Q4; [16-07-2001 (Rel. 40, Created) PFE-2003 (Rel. 41, Last sequence update) 10-MAY-2005 (Rel. 47, Last annotation update) Anglopoietin-1 precursor (ANG-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE OF 91-200.
STRAIN-Sprague-Dawley; TISSUE-Placenta;
MEDLINE-98451564; PubMed=9776732;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 LCTKEGVLLKGGKREEEKPF 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sednences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rattus norvegicus (Rat).
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les 19; Conserv
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NUCLEOTIDE SEQUENCE OF 91-200.
                                                                                                Angiopoietin-1 precursor (AN
Name=ANGPT1; Synonyms=ANG1;
Bos taurus (Bovine).
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nes 18; Conservative
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                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                    NCBI_TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                angiogenesis."
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SEQUENCE
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Canis familiaris (Dog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ä
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84.4%; Score 89.5; DB 2; Length 521; 95.0%; Pred. No. 6.2e-05; ive 0; Mismatches 0; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    81.6%; Score 86.5; DB 2; Length 497; 90.0%; Pred. No. 0.00017;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kato Y., Asano K.;
"Canis familiaris Angiopoletin-1 mRNA, complete cds.";
"Canis familiaris Angiopoletin-1 mRNA, complete cds.";
submitted (CCT-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AB192412; BAD54826.1; -; mRNA.
GO; GO:0007596; P:blood coagulation; IEA.
InterPro; IPR002181; Pibrinogen_C.
Pfam; PF00147; Fibrinogen_C; 1.
SM00186; FBG; 1.
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SEQUENCE 497 AA; 57415 MW; 061AFC2B03E8F081 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               521 AA; 60103 MW; 8E7061F2A570EDFA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              497 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               288 LCTKE-VLLKGGKREEEKPF 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LCTKE-VLLKGGKKEEBKPF 282
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25-OCT-2004 (TrEMBLrel. 28,
25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QEOFCI CANFA PRELIMINARY;
QEOFCI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
[1]
NUCLEOTIDE SEQUENCE.
TISSUE Adult spleen;
PubMed=15368895;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
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es 19; Conserv
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ID ANGP1_BOVIN
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SEQUENCE
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060FCI CAN
10 060FC
AC 060FC
DT 25-0C

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  셤
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mandriota S.J., Pepper M.S.;

"Regulation of angiopoietin-2 mRNA levels in bovine microvascular endothelial cells by cytokines and hypoxia.";

Circ. Res. 83:852-859(1998)

Circ. Res. 83:862-859(1998)

-!- FUNCTION: Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the heart early development (amiliarity).

-!- SUBCELLULAR LOCATION: Secreted.

-!- DEVELOPMENTAL STAGE: Found to be expressed throughout the ovarian
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Cvary;
MEDLINE=99054348; PubMed=9840613;
Goede V., Schmidt T., Kimmina S., Kozian D., Augustin H.G.;
"Analysis of blood vessel maturation processes during cyclic ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AF093573; AAC61872.1; -; mRNA.
EMBL; AF032923; AAC78245.1; -; mRNA.
HSSP; Q9U8W8; 1JC9.
Interpro; IPR002181; Pibrinogen_C.
Empty Pr00147; Pibrinogen_C; 1.
SMART; SM00186; FBG; 1.
PROSITE; PS00514; FIBRIN AG C DOMAIN; 1.
Angiogenesis; Coiled coil; Developmental protein; Differentiation; SIGNAL.
SIGNAL.
1 15
                                                                                                                                                                                                                                    Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Laurasiatheria, Cetartiodactyla, Ruminantia,
Pecora, Bovidae, Bovinae, Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Potential.

N-linked (GlCNAc. ..) (Potential).

N-linked (GlCNAc. ..) (Potential).

N-linked (GlCNAc. ..) (Potential).

N-linked (GlCNAc. ..) (Potential).

N-linked (GlCNAc. ..) (Potential).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -!- SIMILARITY: Contains 1 fibrinogen C-terminal domain.
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Fibrinogen C-terminal
018920;
16-0CT-2001 (Rel. 40, Last sequence update)
16-0CT-2001 (Rel. 40, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
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By similarity.
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MEDLINE=98451564; PubMed=9776732;
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1 LCTKEGVLLKGGKREBEKPF 20

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481 AA.

PRT;

STANDARD;

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Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Rlausner R.D., Colling F.S., Wagner L.H., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahat N.K.,
Hopking R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.N.,
Biatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.B.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Abramson R.D., Mullahy S.J.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muray D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
Xenopodinae, Xenopus, Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE-Spleen;
MEDLINE-22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               71.7%; Score 76; DB 2; Length 504; 70.0%; Pred. No. 0.007; ive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Klein S., Gerhard D.S.;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
BMBL; BC073367; AAH73367.1 ; mRNA.
GO; GO:00079596; P.Badrod coagulation; IEA.
InterPro; IPR002181; Fibrinogen_C.
SMART; SM00186; FiBG; I.
SMART; SM00186; FEBG; I.
SROUENCE 504 AA; 57794 MM; PA4F7D4174A7D390 CRC64;
                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                            504 AA.
                                                                                                                                                                  Created)
                                                                                                                                                                                                                                                               Xenopus laevis (African clawed frog)
                                                                                                                            PRT;
264 LCTKE-VLLKGGKRKEEKPF 282
                                                                                                                                                           05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dev. Dyn. 225:384-391(2002).
                                                                                                                QGGNY4_XENLA PRELIMINARY;
QGGNY4;
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                                                                                                                                                                                                                          MGC80788 protein.
                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=8355;
                                                                                                                                                                                                                                          Name=MGC80788;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rissum=spleen;
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REPLINE-2108560; PubMed=11217851; DOI=10.1038/3505500; RAWAI J. TISSUB_FORTER TRANSPORTER TO STRAIN-CSTBL/GY, TISSUB-FORTER TRANSPORTER TO STRAIN-CSTBL/GY, TISSUB-FORTER TRANSPORTER TRAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=C57BL/6J; TISSUE=Testis;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I & II Team;
analysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Komo H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length oDNA libraries for rapid discovery of new genes.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=C57BL/6J; TISSUE-Testis;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
                                                                                                                                                                     01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-070-2003 (TrEMBLrel. 24, Last annotation update)
Mus musculus adult male testis cDNA, RIEM full-length enriched
library, clone:4930463121 product:hypothetical protein, full insert
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MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
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                                              383 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                            01-JUN-2001 (TrEMBLrel. 17, Created)
01-MAR-2003 (TrEMBLrel. 23, Last seq
29CUL6 MOUSE
ID Q9CUL6 MOUSE PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                              (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
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                                                                                                                                                                                                                                                                                                                                                                                                   Name=Armc4;
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Gaps

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Local Similarity 70.0 es 14, Conservative

Matches

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Query Match

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Search completed: May 11, 2006, 11:37:15 Job time: 237 secs
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Adailon O., Aury J.M., Brunet F., Petit J.L., Stange-Thomann N.,
Mucell E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Nicaud S., Jaffe D., Fisher S., Iutfalla G., Dossat C., Segurens B.,
Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
Blemont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,
A cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
Rellis M., Volff JN., Guigo R., Zody M.C., Mešrov J.,
Indblad-Toh K., Birren B., Nubsum C., Kahn D., Robinson-Rechavi M.,
A unicker P., Lander E.S., Weissenbach J., Roest Crollius H.;
Mincker P., Lander E.S., Weissenbach J., Roest Crollius H.;
The early vertebrate proto-karyotype.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                          Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakwa T., Bono H., Carninci P., Fukuda S., Fukuda S., Furuno M.,
A Hanagaki T., Hara A., Hayatsu N., Hiramcto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kodda M., Koya S., Kurihara C.,
A Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
A Okazaki Y., Okido T., Owa C., Salto H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.,
L Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
EMBL, AKO15498; BAB29870.2; -; mRNA.
R Ensembl; ENSMUSG00000044280; Mus musculus.
R Ensembl; ENSMUSG00000044280; Mus musculus.
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Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; "RIKEN integrated sequence analysis (RISA) system-384-format sequencing pipeline with 384 multicapillary sequencer."; Genome Res. 10:1757-1771(2000).
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Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi;
Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostei;
Acatimopterygii, Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha, Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    55.7%; Score 59; DB 2; Length 383; 68.8%; Pred. No. 2.1; Live 1; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          383 AA; 43608 MW; AA688BAA4AACB01D CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 2 SCAF15010, whole genome shotgun sequence.
ORFNames-GSTENG00031451001;
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Q4RNQ8;
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Matches 11, Conservative
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EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                     EMBL, CAAE01015010; CAG09974.1; -; Genomic_DNA.
InterPro; IPR011700; DZIP 2.
InterPro; IPR04827; FF P\(\bar{D}\)IP.
Pfam; PF07116; DZIP 2; 1.
PROSITE; PSS0217; B\(\bar{D}\)IP.
PROSITE; PSS0317; B\(\bar{D}\)IP.
PROSITE; PSO0036; B\(\bar{D}\)IP BASIC; 1.
SEQUENCE 178 AA; 19157 WW; 832C61408C134DCF CRC64;
                                                                                                                                                                                                                                               51.9%; Score 55; DB 2;
55.6%; Pred. No. 4.1;
tive 3; Mismatches
                                                                                                                                                                                                                                                                                                                                              2 CTKEGVLLKGGKREEEKP 19
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                     preliminary data.
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NAME/KEY: Mature TL1 protein
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MOLECULE TYPE: protein
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Best Local Similarity
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GenCore version 5.1.8
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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/cgm2_6/ptodata/1/iaa/6_COMB.pep:*
/cgm2_6/ptodata/1/iaa/H_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgm2_6/ptodata/1/iaa/RE_COMB.pep:*
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US-09-709-188-7

US-08-709-188-7

US-08-709-188-26

US-09-709-188-26

US-09-709-188-14

US-09-709-188-14

US-09-709-188-14

US-08-313-579-2

US-08-314-5-20

US-08-348-35-20

US-08-348-35-20

US-08-348-35-35-35-35-35-35

US-08-348-35-35-35-35-35-35

US-09-162-437-2

US-09-561-560-2

US-09-561-560-2

US-09-561-560-2

US-09-561-560-3

US-09-561-58-3

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                                                                                                                                                                                                                                                                                                                                              572060 seqs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                                            protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length DB
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Length 478;

Score 106; DB 2; Pred. No. 3.2e-09;

Matches

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Sequence 26, Application US/09709188

Patent No. 644137

GENERAL INPORMATION:

TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule

TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule

TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule

FILE REPERENCE: REG 313-Z

CURRENT FILING DATE: 1996-11-09

PRIOR APPLICATION NUMBER: 08/740,223

PRIOR APPLICATION NUMBER: 08/740,223

PRIOR APPLICATION NUMBER: 08/740,223

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.1

SEQ ID NO 26

LENGTH: 495

TYPE: RT

ORGANISM: Artificial Sequence
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TITLE OF INVENTION: Expressed Ligand - Vascular TITLE OF INVENTION: Expressed Ligand - Vascular TITLE OF INVENTION: Intercellular Signalling Molecule NUMBER OF SEQUENCES: 2 CORRESPONDENCE ADDRESS: ADDRESSER: Regeneron Pharmaceuticals, Inc. STREET: TATY Old Saw Mill Road CITY: Tarrytown COUNTRY: USA ZIP.: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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COMPUTER: IBM Compatible
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COMPUTER: Pacter of Compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/740,223A
FILING DATE: 25-0CT-1996
CLASSIFICATION DATA:
APPLICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ 1D NO: 26:
SEQUENCE CHRACATESISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 106; 100.0%; Pred. No. 3
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LOCATION: 1...495
OTHER INFORMATION:
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TYPE: amino acid
STRANDEDNESS: single
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1es 20; Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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MOLECULE TYPE: protein
FRAGMENT TYPE: internal
FEATURE:
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Matches
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Patent No. 6441137
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Davis et al.
TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule
FILE REFERENCE: REG 333-2
CURRENT PALLICATION NUMBER: US/09/709,188
CURRENT FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: 08/740,223
PRIOR APPLICATION NUMBER: 08/740,223
PRIOR SEQ ID NOS: 30
SOFTWARE: Patentin Version 3.1
SEQ ID NO
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) Retent No. 6825008
) GENERAL INFORMATION:
) APPLICANT: Davis et al.

TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
) TITLE OF INVENTION: Molecule
) FILER REFERENCE: REG 333-Z
) CURRENT APPLICATION NUMBER: US/09/709,188
) PRIOR FILING DATE: 2000-11-09
) PRIOR FILING DATE: 2000-11-09
) PRIOR FILING DATE: 1996-10-25
) NUMBER OF SEQ ID NOS: 30
) GOTTWARE: Patentin version 3.1
) SEQ ID NO 7

LEMENT : ATS
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Best Local Similarity 100.0%; Pred. No. 3.2e-09;
Matches 20; Conservative 0; Mismatches 0;
                                                                                    0; Mismatches
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) Sequence 26, Application US/08740223A
) Patent No. 6265564
) GRNERAL INPORMATION:
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                                                                                                                                                                             244 LCTKEGVLLKGGKREEEKPF 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 LCTKEGVLLKGGKREEEKPF 20
                                                                                                                               1 LCTKEGVLLKGGKREEEKPF 20
                                                                                 20; Conservative
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1 ORGANISM: Homo sapiens
US-10-225-060-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 20; Conserva
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US-09-709-188-7
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PRIOR APPLICATION DATA:
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US-09-709-188-14
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US-10-225-060-14
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LENGTH: 497
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                                                                                                                                                                                                                                                                                           Sequence 26, Application US/10225060

Fatent No. 6825008

GENERAL INFORMATION:
FATILE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
TITLE OF INVENTION: BADICALION
FILE REFERENCE: REG 33.3.2

CURRENT APPLICATION NUMBER: US/10/225,060

CURRENT FILING DATE: 2000-08-21

FRIOR FILING DATE: 1096-11-09

PRIOR FILING DATE: 1996-10-25

NUMBER OF SEQ ID NOS: 30

SEQ ID NOS: 30

LENGTH: 495
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                                                                                                             Gaps
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OTHER INFORMATION: 2NICIF (Chimera 4)
US-10-225-060-26
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                                                                    Length 495;
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                                                                                                           Indels
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Patent No. 6265564
GENERAL INFORMATION:
APPLICANT: Davis, et al.
TITLE OF INVENTION: Expressed Ligand - Vascular
TITLE OF INVENTION: Intercellular Signalling Molecule
NUMBER OF SEQUENCES: 28
CORRESPONDENCES:
ADDRESSEB: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
                                                               Query Match
Best Local Similarity 100.0%; Pred. No. 3.3e-09;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/740,223A

PILING DATE: 25-OCT-1996

CLASSIFICATION: 536
; OTHER INFORMATION: 2NICIF (chimera 4) US-09-709-188-26
                                                                                                                                                                             261 LCTKEGVLLKGGKREEEKPF 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     261 LCTKEGVLLKGGKREBEKPF 280
                                                                                                                                                     1 LCTKEGVLLKGGKREEEKPF 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tarrytown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                              US-10-225-060-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 7
US-08-740-223A-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
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GENERAL INFORMATION:
APPLICANT: Davis et al.
TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling Molecule
FILE REPERENCE: REG 333-2.
CURRENT APPLICATION NUMBER: US/09/709,188
CURRENT FILING DATE: 2000-11-09
PRIOR PILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
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APPLICANT: Davis et al.
TITLE OP INVENTION: Expressed Ligand - Vascular Intercellular Signaling
TITLE OP INVENTION: Molecule
FILE REPERENCE: REG 333-Z
CURRENT APPLICATION NUMBER: US/10/225,060
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US/09/709,188
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Pred. No. 3.3e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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Best Local Similarity 100.0%; Pred. No. 3.3e-09;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Scc...
100.0%; Pred. No. 5...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: mTL1
LOCATION: 1...497
OTHER INFORMATION: mouse TIE-2 ligand 1
APPLICATION NUMBER: USSN 60/022/999
PILING DATE: 02-AUG-1996
ATTONNEY/AGENT INFORMATION:
NAME: COBERT, ROBERT J
REGISTRATION NUMBER: 36,108
TREFERENCE/DOCKET NUMBER: REG 333
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        263 LCTKEGVLLKGGKREEEKPF 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14, Application US/09709188
Patent No. 6441137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 14, Application US/10225060 Patent No. 6825008
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                                                                                                                                                                  TELEPAX: 914-345-7721
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 497 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 20, Conservative
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Gaps

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Indels

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Best Local Similarity 100.0%; Pred. No. 3.3e-09; Matches 20; Conservative 0; Mismatches 0;
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US-08-665-926-2
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| Sequence 2, Application US/08373579
| Patent No. 5650490
| GENERAL INFORMATION:
| APPLICANT DAVIS et al. |
| TITLE OF INVENTION: THEREOF |
| TUTLE OF SEQUENCES: 6 |
| NUMBER OF SEQUENCES: 6 |
| NUMBER OF SEQUENCES: 6 |
| NUMBER OF SEQUENCES: 6 |
| STREET: ADDRESS: |
| STREET: ADTRESS: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 106; DB 2; Length 497; Best Local Similarity 100.0%; Pred. No. 3.3e-09; Matches 20; Conservative 0; Mismatches 0; Indels
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MEDIUM TYPE: Flopped is the MEDIUM TYPE: Batentin Release #1.0, Version #1.30 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US 08/38,503 FLING DATE: 09-DEC-1994
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/348,492 FILING DATE: 02-DEC-1994
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/330,261
PILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,261
PILING DATE: 07-OCT-1994
PRIOR APPLICATION NUMBER: US 08/319,932
PILING DATE: 07-OCT-1994
ATFORMEY APPLICATION DATA: APPLICATION NUMBER: US 08/319,932
PILING DATE: 07-OCT-1994
ATFORMEY ABPLICATION NUMBER: US 08/319,932
PILING DATE: 07-OCT-1994
ATFORMEY ABPLICATION NUMBER: US 08/319,932
PILING DATE: 07-OCT-1994
ATFORMEY ABPLICATION NUMBER: US 08/319,932
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REGISTRATION NUMBER: 36,108
RERERENCE/DOCKET NUMBER: REG 330-D
TELECOMMUNICATION INPORMATION:
TELEPHONE: (914) 345-7400
INPORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
PRIOR FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: 08/740,223
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 497
TYPE: PRT
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1 MOLECULE TYPE: protein

US-08-373-579-2
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US-08-373-579-2
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100.0%; Score 106; DB 1; Length 498;

Query Match

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                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: THE-2 LIGAND, METHOD OF MAKING AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSER:
ADDRESSER:
STREET: 777 Old Saw Mill River Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 106; DB 1; Length 498; Best Local Similarity 100.0%; Pred. No. 3.3e-09; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READBBLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS(MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
SOFTWARE: PatentIn Release #1.0
FILING DATE: O-DEC-1994
PRIOR APPLICATION DATA: PATION AND PATE: O-DEC-1994
PRIOR APPLICATION DATA: PATION DATE: O-DEC-1994
PRIOR APPLICATION NUMBER: US 08/319,932
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: 36,108
FILING DATE: O-CCT-1994
ATTORNEY/AGENT INFORMATION:
TELEPHONE: (914) 345-7721
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: Pamino acids
TWENTH: APPLICATERISTICS:
LENGTH: APPLIANCE CHARACTERISTICS:
LENGTH: APPLIANC
264 LCTKEGVLLKGGKREEEKPF 283
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Patent No. 5814464
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 777 Old SCITY: Tarrytcom STATE: New York COUNTRY: USA ZIP: 10591
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Sequence 2, Application US/09162437

Patent No. 6166185

GENERAL INFORMATION:
APPLICANT: Davie, et al.
ITILE OF INVENTION: THEREOF
INTHER OF SEQUENCES:
CORRESPONDENCE S. 6

CORRESPONDENCE S. 6

COUNTEST 777 Old Saw Mill River Road
STREET: 777 Old Saw Mill River Road
STREET: New York

COUNTEST New York

COUNTEST New York

COUNTEST New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 106; DB 1; Length 498; 100.0%; Pred. No. 3.3e-09;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/162,437
                         APPLICALLO.
FILING DATE:
PRICOR DATE:
PRICOR DATE:
APPLICATION DATA:
APPLICATION NUMBER: US 08/319,932
FILING DATE:
O'OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Kempler, Gail M.
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: REG 330B
TELECOMMUNICATION INFORMATION:
TELEPONE: (914) 347-7000
TELEPAK: (914) 347-7000
TELEPAK: (914) 347-2113
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERSTICS:
LENGTH: 498 amino acids
TYPE: amino acid
TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/418,595
FILING DATE: 06-APR-1995
FILING DATE: 17-APR-1995
FILING DATE: 17-APR-1995
FILING DATE: 17-APR-1995
APPLICATION NUMBER: US 08/353,503
FILING DATE: 09-DEC-1994
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,492
FILING DATE: 02-DEC-1994
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/319,932
FILING DATE: 27-OCT-1994
APTICATION NUMBER: US 08/319,932
FILING DATE: 07-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: CODERT, RODERT J.
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Best Local Similarity 100.
Matches 20; Conservative
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// MOLECULE TYPE: protein
US-08-348-492-2
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US-09-162-437-2
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Sequence 2, Application US/08665926
Patent No. 5851797
GENERAL INCRAMING.
TITLE OF INVENTION: TIE LIGAND-3, METHODS OF MAKING AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: B
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STREET: 777 Old Saw Mill River Road
COUNTRY: Us. S.A.
ZIP: 10591-6707
COMPUTER: New York
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
PAPLICATION NUMBER: US/08/665,926
FILING DATE: 19-JUN-1996
CLASSIPICATION NUMBER: 36,108
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: 36,108
REFERENCE/DOCKET NUMBER: 36,108
REFERENCE/DOCKET NUMBER: 36,108
TELEPHONE: (914) 345-7400
TELECOMMUNICATION INPRAMATION:
TELEPHONE: (914) 345-713
INPORMATION FOR SEQ ID NO. 2:
SEQUENCE CHARACTERISTICS:
LENGTH: LENGTH: APPLICATION LINCRAMING:
LENGTH: LENGTH: APPLICATION ALLO ACIDS
LENGTH: LENGTH: APPLICATION LINCRAMING:
LENGTH: LENGTH: APPLICATION LINCRAMING:
LENGTH: LENGTH: APPLICATION LINCRAMING:
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| Sequence 2, Application US/08348492
| Fatent No. 5879672
| GENERAL INFORMATION et al. |
| TITLE OF INVENTION: THEREOF |
| TITLE OF INVENTION: THE OF
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MOLECULE TYPE: protein

US-08-665-926-2
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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US-08-348-492-2
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Best Local Similarity 100.0%; Pred. No. 3.3e-09;
Matches 20; Conservative 0; Mismatches 0; Indels C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sequence 2, Application US/08740223A | Sequence 2, Application US/08740223A | Patent No. 626564 |
| Patent No. 626564 |
| GENERAL INFORMATION: A processed Ligand - Vascular TITLE OF INVENTION: Expressed Ligand - Vascular TITLE OF INVENTION: Intercellular Signalling Molecule NUMBER OF SEQUENCES: 28 | NUMBER OF SEQUENCES: 28 | NUMBER OF SEQUENCES: 3 | ADDRESSE: ADDRESSE: STREET: 777 Old Saw Mill Road CITY: Tarrytown | CITY: Number Number Of Separate Number Number Of Separate Number Number Of Separate Number Number Of Separate Number Nu
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MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
APPLICATION NUMBER: US/08/740,223A
FILING DATE: 25-OCT-1996
CLASSIFICATION NUMBER: USSN 60/022/999
FILING DATE: 02-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: CODETT, RODETT J
REGISTRATION NUMBER: 36,108
REGISTRATION NUMBER: 36,108
REGISTRATION NUMBER: 36,108
REGISTRATION NUMBER: 36,108
REGISTRATION INFORMATION:
TELEPHONE: 914-345-7721
INFORMATION FOR SEG ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
INFORMATION FOR SEG ID NO: 2:
LENGTH: 498 amino acids
STRANDEDNESS: single
REGISTRATION NUMBER: 36,108
REPERENCE/DOCKET NUMBER: REG 330-D
FILECOMMUNICATION:
TELEPHONE: (914) 345-7400
FILEPHONE: (914) 345-7721
INPORMATION POR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-162-437-2
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PRAGMENT TYPE: internal
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US-08-740-223A-2
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Best Local Similarity 100.0%; Pred. No. 3.3e-09; Matches 20; Conservative 0; Mismatches 0;
                                                                 264 LCTKEGVLLKGGKREEEKPF 283
                                               1 LCTKEGVLLKGGKREBEKPF 20
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Search completed: May 11, 2006, 11:38:49 Job time : 46 secs

100.0%; Score 106; DB 2; Length 498; Query Match

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; TYPE: PRT
; ORGANISM: mouse
US-10-789-222-2
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Sequence 2, Appli
Sequence 18, Appl
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                                                                                                                May 11, 2006, 11:38:12 ; Search time 166 Seconds (without alignments) 50.341 Million cell updates/sec
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Sequence 115, 2
Sequence 8, App
Sequence 7, App
Sequence 7, App
Sequence 26, A
Sequence 26, A
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Sequence 5,
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Sequence 2
Sequence 2
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cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US0A_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep: *
cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep: *
GenCore version 5.1.8
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-789-222-1

US-09-222-2

US-09-332-355A-18

US-10-273-180-4

US-10-273-180-6

US-10-273-180-6

US-10-273-180-6

US-10-273-180-9

US-10-273-180-6

US-10-38-22-8

US-10-789-222-8

US-10-789-222-8

US-10-228-911-7

US-11-073-120-7

US-11-073-120-7

US-11-073-120-26

US-10-225-060-14

US-10-928-911-14

US-10-928-911-14

US-10-928-911-14

US-10-928-911-14

US-10-928-831-2

US-09-998-831-2

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US-10-179-744-2
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Maximum Match 100%
Listing first 45 summaries
                                                                              protein search, using sw model
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APPLICANT: Yu, Qin
TITLE OF INVENTION: Angiopoietin and Fragments, Mutants, and Analogs Thereof and Uses
TITLE OF INVENTION: of the Same
FILE REPERBACE: UPNO003-100 (P3115)
CURRENT FILING DATE: 2004-02-27
PRIOR APPLICATION NUMBER: US 60/450,582
PRIOR RILING DATE: 2003-02-27
NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin version 3.2
SEQ ID NO 1
LENGTH: 20
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US-10-789-222-2

US-10-789-222-2

Sequence 2, Application US/10789222

Publication No. US20040186054A1

GENERAL INFORMATION:

GENERAL INFORMATION:

TITLE OF INVENTION: Of the Same

TITLE OF INVENTION: Of the Same

TITLE OF INVENTION: Of the Same

TITLE OF INVENTION: Of Pane

TITLE OF INVENTION: OF THE SAME

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100.0%; Score 106; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.5e-09;
Matches 20; Conservative 0; Mismatches 0;
                   US-10-214-812-5
US-10-214-812-6
US-10-225-060-2
US-10-321-332-2
US-10-136-819-12
US-10-179-615-2
US-10-179-615-2
US-10-179-615-2
US-10-179-615-2
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US-10-367-259A-14
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US-10-367-259A-40
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Publication No. US20040186054A1
GENERAL INFORMATION:
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100.0%; Score 106; DB 4; Length 309;
Best Local Similarity 100.0%; Pred. No. 3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Score 106; DB 4; Length 312;
Best Local Similarity 100.0%; Pred. No. 3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels
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; Publication No. US20030220476A1
; GENERAL INFORMATION:
; APPLICANT: KOH, Gou Young
; TITLE OF INVENTION: CHIMERIC COLLED COLL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PATENTIN version 3.1
; SEQ ID NO 6
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CURRENT APPLICATION NUMBER: US/10/273,180
CURRENT FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
SEQ ID NO 4
LENGTH: 298
TYPE: PRT
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CRGANISM: Homo sapiens
US-10-273-180-8
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US-10-273-180-8
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Best Local Similarity 100.0%; Pred. No. 2.5e-08;
Matches 20; Conservative 0; Mismatches 0; Indels (
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Publication No. US20030220476A1

GENERAL INPORMATION:
APPLICANT: KCH, GOU YOUNG

TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES

FILE REFERENCE: 10010-00001

CURRENT FILING DATE: 2002-10-18

NUMBER OF SEQ ID NOS: 30

SOFTWARE: Patentin version 3.1

SEQ ID NO 2

LENGTH: 260
                       Query Match
100.0%; Score 106; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.5e-09;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Score 106; DB 3;
Best Local Similarity 100.0%; Pred. No. 2.2e-08;
Matches 20; Conservative 0; Mismatches 0;
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Publication No. US20030220476A1
GENERAL INFORMATION:
APPLICANT: KOH, GOU Young
TITLE OF INVENTION: CHIMERIC COILED COIL MOLECULES
FILE REFERENCE: 10010-00001
                                                                                                                                                                                                        RESULT 3
US-09-832-155A-18
Sequence 18, Application US/09832355A
Publication No. US20030027751A1
GENERAL INFORMATION:
APPLICANT: Kovesdi, Imre
APPLICANT: APPLICANTON: VEGF FUSION PROTEINS
FILE REFRENCE: 2001-04-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PATENTIN Version 3.0
SEQ ID NO 18
LENGTH: 235
TYPE: PRT
TYPE: PRT
APPE: PRT
GORGANISM: Homo Sapiens
US-09-832-355A-18
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US-10-273-180-2
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US-10-273-180-4
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US-10-273-180-2
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TYPE: PRT

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Sequence 8, Application US/10789222

Sequence 8, Application US/10789222

Publication No. US20040186054A1

GENERAL INFORMATION:

APPLICANT: Yu, Qin

TITLE OF INVENTION: Of the Same

TITLE OF INVENTION: Of the Same

TITLE OF INVENTION: Of the Same

FILE REFERENCE: UPN0003-100 (P3115)

CURRENT APPLICATION NUMBER: US/10/789,222

CURRENT FILING DATE: 2004-02-27

PRIOR APPLICATION NUMBER: US 60/450,582

PRIOR PILING DATE: 2003-02-27

NUMBER OF SEQ ID NOS: 36

SOFTWARE: Patentin version 3.2

SEQ ID NO 8

SEQ ID NO 8
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Publication No. US20030092891A1;
GENERAL INPORMATION:
APPLICANT: Davis et al.
TITLE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
TITLE OF INVENTION: Molecule
TITLE OF INVENTION: Molecule
FILE REPERENCE: REG 333-2
CURRENT APPLICATION NUMBER: US/10/225,060
CURRENT FILING DATE: 2002-08-21
FRIOR PELING DATE: 2000-11-09
FRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
SEQ ID NO 7.
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                                                                                                                                                                                          Length 456;
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; Pred. No. 4.6e-08;
0; Mismatches 0;
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100.0%;
Best Local Similarity 100.0%;
Matches 20; Conservative 0
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Best Local Similarity 100.0%;
Matches 20; Conservative 0
         NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin version 3.2
SEQ ID NO 7
LENGTH: 456
                                                                                                  ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-789-222-7
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Matches 20; Conserv
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US-10-789-222-8
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US-10-225-060-7
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Publication No. US20040186054A1

GENERAL INFORMATION:
APPLICANT: Yu, Qin

TITLE OF INVENTION: Anglopoietin and Fragments, Mutants, and Analogs Thereof and Uses
FILE REFERENCE: UPNO03-106 (P3115)
CURRENT APPLICATION NUMBER: US/10/789,222
CURRENT FILING DATE: 2004-02-27

PRIOR FILING DATE: 2003-02-27
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TITLE OF INVENTION: Novel targets for obesity from subcutaneous fat FILLE REPERENCE: 22304
CURRENT APPLICATION NUMBER: US/11/019,829
CURRENT FILING DATE: 2004-12-22
NUMBER OF SEQ ID NOS: 146
SOFTWARE: Patentin version 3.2
SEQ ID NO 115
LENGTH: 402
RESULT 8
US-10-367-259A-36
; Sequence 36. Application US/10367259A
; Publication No. USZ0030220250A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, LEE M.
; TITLE OF INVENTION: ANGIOPOIETIN-1 IN THE TREATMENT OF DISEASE
; FILE REFERENCE: UTSC: 698US
; CURRENT APPLICATION NUMBER: US/10/367,259A
; CURRENT APPLICATION NUMBER: 60/356,809
PRIOR APPLICATION NUMBER: 60/356,809
; RIGH FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
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; OTHER INFORMATION: LOCUSID: 284; NM_139290
US-11-019-829-115
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Best Local Similarity 100.
Matches 20; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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US-11-019-829-115
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Search completed: May 11, 2006, 11:41:41
Job time : 167 secs
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                                                                                                                                                                                                           Sequence 7, Application US/10928911
| Sequence 7, Application US/10928911
| Publication No. US20050106099A1
| GENERAL INFORMATION:
| APPLICANT: Davis, Samuel
| APPLICANT: Vancopoulos, George D.
| TITLE OF INVENTION: Expressed Ligand - Vascular
| TITLE OF INVENTION: Intercellular Signaling Molecule
| TITLE OF INVENTION: INTERFER 2004-08-27
| PRIOR APPLICATION NUMBER: 09/709,188
| PRIOR FILING DATE: 2000-08-21
| PRIOR FILING DATE: 2000-11-09
| PRIOR PILING DATE: 2000-11-09
| PRIOR FILING DATE: 2000-11-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/11073120
Publication No. US200501866551
Publication No. US200501866551
GENERAL INFORMATION:
APPLICANT: Davis, Samuel
APPLICANT: Davis, Samuel
ITILE OF INVENTION: Expressed Ligand - Vascular
ITILE OF INVENTION: Intercellular Signaling Molecule
ITILE OF INVENTION: Intercellular Signaling Molecule
FILE REFERENCE: REG 30.94
PRIOR PILING DATE: 2005-03-04
PRIOR FILING DATE: 2002-06-21
PRIOR FILING DATE: 2000-11-09
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PASESEQ for Windows Version 4.0
FEMAND: APPLICATION NOWER: 2000-11-09
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PASESEQ for Windows Version 4.0
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100.0%; Score 106; DB 5;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 20; Conservative 0; Mismatches 0;
                                                        244 LCTKEGVLLKGGKREEKPF 263
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              1 LCTKEGVLLKGGKREEEKPF 20
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TYPE: PRT
ORGANISM: Homo sapien
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Matches 20; Conserv
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Sequence 26, Application US/10225060
| Publication No. US20030092891A1
| Publication No. US20030092891A1
| APPLICANTION: US20030092891A1
| APPLICANTION: Expressed Ligand - Vascular Intercellular Signaling
| TITE OF INVENTION: Expressed Ligand - Vascular Intercellular Signaling
| TITE OF INVENTION: Molecule
| FILE OF INVENTION: Molecule
| FILE REPERBNCE: REG 33.2
| CURRENT APPLICATION NUMBER: US/09/709,188
| PRIOR PILING DATE: 2000-11-09
| PRIOR FILING DATE: 1996-10-25
| NUMBER OF SEQ ID NOS: 30
| SOFTWARE: Patentin version 3.1
| SEQ ID NO 26
| LENGTH: 495
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 106; DB 4; Length 495; Best Local Similarity 100.0%; Pred. No. 5e-08; Matches 20; Conservative 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: 2NICIF (chimera 4) US-10-225-060-26
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ORGANISM: Artificial Sequence
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OM protein

Run on:

Sequence:

Minimum DB Maximum DB

Database

Result

Searched:

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Sequence 5254, Ap Sequence 10154, A Sequence 10154, A Sequence 10154, Ap Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 7860, Ap Sequence 7860, Ap Sequence 1559, Ap Sequence 1655, Appl Sequence 10250, Ap Sequence 10250, Ap Sequence 104, Appl Sequence 40, Appl
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; Publication No. US20060074230A1
; GENERAL INFORMATION:
    APPLICANT: KOH, GOU YOUNG
; TITLE OF INVENTION: CHIMBERIC COILED COIL MOLECULES
; FILE REFERENCE: 10010-00001
; CURRENT FILING DATE: 2005-11-21
; PRIOR APPLICATION NUMBER: US/10/273,180
; NUMBER OF SEQ ID NOS: 30
; SOFFWARE: Patentin Version 3.1
; SEQ ID NO 4
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; Publication No. US20060074230A1
; GENERAL INFORMATION:
; APPLICANT KOH, GOU YOUNG
; TITLE OF INVENTION: CHIMERIC COLLED COLL MOLECULES
; PILE REFERENCE: 10010-00001
; CURRENT APPLICATION NUMBER: US/11/284,465
; CURRENT FILING DATE: 2005-11-21
; PRIOR APPLICATION NUMBER: US/10/273,180
; PRIOR FILING DATE: 2002-10-18
; WUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
  1. US-11-087-099-5254

1. US-11-087-099-8728

1. US-11-079-463-10154

1. US-11-177-509-18

1. US-11-185-907-1

1. US-11-185-907-1

1. US-11-188-298-10907

1. US-11-072-512-3366

1. US-11-072-512-3366

1. US-11-072-512-356

1. US-11-072-512-356

1. US-11-072-57-066

1. US-11-172-740-1559

1. US-11-172-740-1559

1. US-11-188-298-585

1. US-11-188-298-585

1. US-11-082-389-6

1. US-11-082-389-17427

1. US-11-079-463-10250

1. US-11-079-463-10250

1. US-11-079-463-10250

1. US-11-078-040-1168
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     SEQ ID NO 2
LENGTH: 260
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       TYPE: PRT
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Sequence 6, Appli
Sequence 2, Appli
Sequence 5, Appli
Sequence 11, Appl
Sequence 113, App
Sequence 163, App
Sequence 21319, A
Sequence 24481, A
Sequence 2479, A
Sequence 2479, A
Sequence 2, Appli
Sequence 458, Appli
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Sequence 4826, Ap
                                                                                                                                                                       May 11, 2006, 11:39:02 ; Search time 27 Seconds (without alignments) 34.777 Million cell updates/sec
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1: /SIDSS/ptodata/1/pubpaa/USOB NEW PUB.pepl:*
2: /SIDSS/ptodata/1/pubpaa/USOG_NEW_PUB.pep:*
3: /SIDSS/ptodata/1/pubpaa/USO7 NEW_PUB.pep:*
4: /SIDSS/ptodata/1/pubpaa/DSOT NEW_PUB.pep:*
5: /SIDSS/ptodata/1/pubpaa/PCT NEW_PUB.pep:*
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7: /SIDSS/ptodata/1/pubpaa/USOG_NEW_PUB.pep:*
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9: /SIDSS/ptodata/1/pubpaa/USOI_NEW_PUB.pep:*
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11: /SIDSS/ptodata/1/pubpaa/USOI_NEW_PUB.pep:*
12: /SIDSS/ptodata/1/pubpaa/USOI_NEW_PUB.pep:*
                              GenCore version 5.1.8
Copyright (c) 1993 - 2006 Biocceleration Ltd
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US-11-284-465-6

US-11-284-465-8

US-11-284-137-5

US-11-284-137-5

US-11-149-462-11

US-11-1049-536-163

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US-11-108-298-21319

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US-11-264-096-455
US-11-079-463-10034
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                         - protein search, using sw model
                                                                                                                                                                                                                                                                   US-10-789-222-1
106
1 LCTKEGVLLKGGKREEEKPF 20
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Gapop 10.0 , Gapext 0.5
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US-11-149-462-11
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100.0%; Score 106; DB 11; Length 309;
Best Local Similarity 100.0%; Pred. No. 2.8e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0
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100.0%; Score 106; DB 11; Length 312;
Best Local Similarity 100.0%; Pred. No. 2.8e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0
                                                                                                         Length 298;
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                                                                                                                                                                                                                                                                                        RESULT 3
US-11-284-465-6
US-11-284-65-6
Sequence 6, Application US/11284465
Publication No. US20060074230A1
GENERAL INFORMATION:
TITLE OF INVENTION: CHIMERIC COLLED COIL MOLECULES
FILE REPERENCE: 10010-00001
CURRENT FILING DATE: 2005-11-21
PRIOR APPLICATION NUMBER: US/11/284,465
PRIOR APPLICATION NUMBER: US/10/273,180
PRIOR PILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
LENGTH: 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 8, Application US/11284465
Publication No. US20060074230A1
GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REFERENCE: 10010-00001
CURRENT APPLICATION NUMBER: US/11/284,465
CURRENT FILING DATE: 2005-11-21
PRIOR APPLICATION NUMBER: US/10/273,180
PRIOR FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 8
SEQ ID NO 8
TYPE: PRI
                                                                                                    Query Match 100.0%; Score 106; DB 11; Best Local Similarity 100.0%; Pred. No. 2.7e-09; Match 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78 LCTKEGVLLKGGKREBEKPF 97
                                                                                                                                                                                                                  64 LCTKEGVLLKGGKREEEKPF 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    75 LCTKEGVLLKGGKREEEKPF 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 LCTKEGVLLKGGKREEEKPF 20
                                                                                                                                                                                          1 LCTKEGVLLKGGKREBEKPF 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 LCTKEGVLLKGGKREEEKPF 20
LENGTH: 298
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Homo sapiens
US-11-284-465-8
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                                                             US-11-284-465-4
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RESULT 5

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Sequence 2, Application US/11254137

Sequence 2, Application US/11254137

Publication No. US2066083745A1

GENERAL INFORMATION:

APPLICANT: THORPE, PHILIP E.

TITLE OF INVENTION: THAT BIND TO AMINOPHOSPHOLIPIDS

TITLE OF INVENTION: THAT BIND TO AMINOPHOSPHOLIPIDS

CURRENT APPLICATION NUMBER: US/11/254,137

CURRENT APPLICATION NUMBER: US/09/351,149

FRIOR FILING DATE: 1999-07-12

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PATENTING DATE: 2.0

SEQ ID NO 2

INNUMBER: PATENTING DATE: 498

LENGTH: 498
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Sequence 5, Application US/11254137

Sequence 5, Application No. US2060083745A1

Sequence 5, Application No. US2060083745A1

GENERAL INFORMATION:

APPLICANT: THORPE, PHILIP E.

APPLICANT: RAN, SOPHIA E.

TITLE OF INVENTION: CANCER TREATMENT KITS COMPRISING THERAPEUTIC CONJUGATES

TITLE OF INVENTION: THAT BIND TO AMINOPHOSPHOLIPIDS

TITLE OF INVENTION: THAT BIND TO AMINOPHOSPHOLIPIDS

FURRENT APPLICATION NUMBER: US/011/254,137

CURRENT FILING DATE: 2005-10-19

PRIOR FILING DATE: 1999-07-12

NUMBER OF SEQ ID NOS: 5

SEQ ID NO 5

LENGTH: 495
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 106; DB 11; Best Local Similarity 100.0%; Pred. No. 4.6e-09; Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 11, Application US/11149462;
Publication No. US20060002978A1;
GENERAL INFORMATION:
APPLICANT: Shea, Lonnie D.;
APPLICANT: Whitelessy, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 264 LCTKEGVLLKGGKREEEKPF 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      261 LSTKEGVLLKGGKREEEKPF 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 LCTKEGVLLKGGKREEEKPF 20
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Rives, Christopher
Rovedo, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Iskandar, Bermans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 95.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-11-254-137-5
                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
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APPLICANT:
APPLICANT:
APPLICANT:
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Sequence 113, Application US/11075047A
PUBLICATION NO. US20060030000A1
GENERAL INFORMATION:
APPLICATION NO. US20060030000A1
ITILE OF INVENTION: GROWTH FACTOR BINDING CONSTRUCTS MATERIALS AND METHODS
FILE REPERRENCE: 28967/397008/11/075,047A
CURRENT APPLICATION NUMBER: US 60/550,907
PRIOR APPLICATION NUMBER: US 60/550,907
PRIOR PILING DATE: 2004-03-07
NUMBER OF SEQ ID NOS: 128
SEQ ID NO 113
LENGTH: 923
                                                                                                                                                                                                                                                                                                                                         Gape
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                                                                                                                                                                                                                                                                                               Length 497;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 45; DB 11; Length 923;
Pred. No. 51;
4; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21319, Application US/11188298

Publication No. US20060075522A1

GENERAL INFORMATION GENES AND USES FOR PLANT IMPROVEMENT

TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT

TITLE OF INVENTION: GENES AND USES FOR PLANT IMPROVEMENT

TILE REFERENCE: 38-21 (53452)B

CURRENT APPLICATION NUMBER: US/11/188,298

CURRENT FILING DATE: 2005-07-22

PRIOR PILING DATE: 2004-07-31

NUMBER OF SEQ ID NOS: 22569

SEQ ID NO 21319
                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                             84.4%; Score 89.5; DB 11; 95.0%; Pred. No. 2e-06;
                                                                                                                                                                                                                                                                                                                                         0; Mismatches
    ; PRIOR FILING DATE: 2005-02-02; PRIOR APPLICATION NUMBER: US 10/916,840; PRIOR FILING DATE: 2004-08-12; PRIOR PILING DATE: 2004-08-12; PRIOR FILING DATE: 2005-08-12; NUMBER OF SEQ ID NOS: 726; SOFTWARE: PastSEQ for Windows Version 4.0; SEQ ID NO 163; LENGTH: 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Mismatches

    TYPE: PRT
    ORGANISM: Geobacillus stearothermophilus
US-11-188-298-21319

                                                                                                                                                                                                                                                                                                                                                                                                                   264 LCTKE-VLLKGGKREEEKPF 282
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                                                                                                                                                                                                                                                                                                                 Best Local Similarity 95.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             340 GVLLQGGKRMKE 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 46.7
Matches 7; Conservative
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Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 GVLLKGGKREEE 17
                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-199-739-163
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US-11-188-298-21319
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US-11-075-047A-113
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                                                                                                                                                                                                                                                                                                                 Score 89.5; DB 11; Length 497;
Pred. No. 2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84.4%; Score 89.5; DB 11; Length 497; 95.0%; Pred. No. 2e-06; 1ive 0; Mismatches 0; Indels 1
TITLE OF INVENTION: Biodegradable Scaffolds and Uses Thereof FILE REFERBNCE: 1720-1-011N
CURRENT APPLICATION WUMBER: US/11/149,462
CURRENT FILING DATE: 2005-06-09
PRIOR APPLICATION NUMBER: 60/578,785
PRIOR PILING DATE: 2004-06-10
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Wood, Clive R.
APPLICANT: Dransfield, Daniel T.
APPLICANT: Pieters, Henk
APPLICANT: Hoet, Rene
APPLICANT: Hoet, Rene
APPLICANT: Hufton, Simon E.
TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
FILE REPERENCE: 10280-128001
CURRENT APPLICATION NUMBER: US/11/049,536
CURRENT PILING DATE: 2006-02-02
PRIOR PILING DATE: 2004-08-12
PRIOR PILING DATE: 2004-08-12
PRIOR PILING DATE: 2004-08-12
NUMBER OF SEQ ID NOS: 72.1
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 163
LENGTH: 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 163, Application US/11199739
Publication No. US20060057138A1
GENERAL INFORMATION:
APPLICANT: Wood, Clive R.
APPLICANT: Pieters, Henk
APPLICANT: Pieters, Henk
APPLICANT: Hufton, Simon E.
TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS:
FILE REPERENCE: 10280-135001
CURRENT APPLICANTON NUMBER: US/11/199,739
CURRENT FILING DATE: 2005-08-09
                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 8
US-11-049-536-163
; Sequence 163, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 264 LCTKE-VLLKGGKREEEKPF 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                264 LCTKE-VLLKGGKREEEKPF 282
                                                                                                                                                                                                                                                                                                                                                                                                          1 LCTKEGVLLKGGKREEEKPF 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 LCTKEGVLLKGGKREEEKPF 20
                                                                                                                                                                                                                                                                                                                    84.4%;
                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 95.0
Matches 19; Conservative
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Best Local Similarity 95.0
Matches 19; Conservative
                                                                                                                                                                             SEQ ID NO 11
LENGTH: 497
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-11-049-536-163
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US-11-199-739-163
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15;

Indels

Length 354;

DB 11;

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APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides I TITLE OF INVENTION: Therby
FITLE OF INVENTION: Therby
FILE REFERENCE: 2750-1592PG2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 24479
LENGTH: 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                149 TEEGVLLKWRAEYGSTLQSCVILGGTRVDRKP 180
                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Zea mays subsp. mays
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(354)
CTHER INFORMATION: Ceres Seq. ID no. 12435349
US-11-096-568A-24479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 TKEGVLLK------GGKREEEKP 19
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 37.5%; Pred. No. 22;
Matches 12; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: May 11, 2006, 11:42:14
Job time : 28 secs
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Publication No. US20050260682A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                254 LCSSEVGLLKNAEREQE 270
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo Sapiens
US-11-110-977-2
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                                                                                                                                              RESULT 12
US-11-096-568A-24481
US-11-096-568A-24481
US-11-096-568A-24481
Subjucation No. US20060048240A1
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therby
TITLE OF INVENTION: 1592PUS
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT PELING DATE: 2005-04-01
SEQ ID NOS: 34471
IENGTH: 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24480, Application US/11096568A
Publication No. US20060048240A1
Publication No. US20060048240A1
ABRURAL INFORMATION:
APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therby
TITLE OF INVENTION: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT PILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 24480
LENGTH: 260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 249;
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| LOCATION: (1).:(260)
| OTHER INFORMATION: Ceres Seq. ID no. 12435350
US-11-096-5688-24480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:||||||
TEEGVLLKWRAEYGSTLQSCVILGGTRVDRKP 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
| LOCATION: (1)..(249)
| OTHER INFORMATION: Ceres Seq. ID no. 12435351
| US-11-096-568A-24481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 TKEGVLLK-------GGKREEEKP 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 TKEGVLLK-------GKREEEKP 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 44.5; DE pred. No. 15; 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 37.5%; Pred. No. 16;
Matches 12; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 14
US-11-096-568A-24479

1 Sequence 24479, Application US/11096568A

3 Publication No. US20060048240A1

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Zea mays subsp. mays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Zea mays subsp. mays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 37.5%;
Matches 12; Conservative ;
                                                              497 GIIIQGGKHRENKVF 511
                                   GVLLKGGKREBEKPF 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 13
US-11-096-568A-24480
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GENERAL INCOMPARTION:

APPLICANT: Charmley, Partick R.

APPLICANT: Smith, Ryan C.

APPLICANT: Applicable Smith, Ryan C.

APPLICANT: Argaibbon, Matthew P.

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TILE OF INVENTION: Compositions and Methods for Diagnosing or Treating Psoriasis

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